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PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT FOR THE FORMER FULTON AUTO WRECKING PROPERTY 2300 FULTON ROAD CLEVELAND, CUYAHOGA COUNTY, OHIO

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ACRONYM LIST

amsl	Above Mean Sea Level
AOC	Area of Concern
AOCC	AOCC Group, Inc.
Auto	Automobile
bgs	Below Ground Surface
BUSTR	Bureau of Underground Storage Tank Regulations
COC	Chemical of Concern
CP	Certified Professional
DAF	Dilution Attenuation Factor
DI	Deionized
DRO	Diesel Range Organic
EDR	Environmental Data Resources, Inc.
EM	Electromagnetic
ESA	Environmental Site Assessment
FOC	Fractional Organic Carbon
ft	Foot or Feet
GDCSS	Generic Direct Contact Soil Standard
GPR	Ground-Penetrating Radar
GPS	Global Positioning System
GRO	Gasoline Range Organics
IDW	Investigation Derived Waste
LBSV	Leach-based Soil Value
Mg/kg	Milligram per kilogram
NAPL	Non-Aqueous Phase Liquid
OAC	Ohio Administrative Code
OEPA	Ohio Environmental Protection Agency
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
pH	Hydrogen Ion Concentration
Phase I	Phase I Environmental Site Assessment
PID	Photoionization Detector

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ACRONYM LIST (continued)

PVC	Polyvinyl Chloride
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RECs	Recognized Environmental Conditions
SAP	Sampling and Analysis Plan
SVOC	Semivolatile Organic Compound
SWL	Static Water Level
TBA	Targeted Brownfields Assessment
TAL	Target Analyte List
TCLP	Toxicity Characteristic Leachate Procedure
TOC	Top of Casing
TPH	Total Petroleum Hydrocarbon
UPUS	Unrestricted Potable Use Standard
USCS	Unified Soil Classification System
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank
VAP	Ohio Voluntary Action Program
VOC	Volatile Organic Compound
WESTON	Weston Solutions, Inc.

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1.0 Introduction

Weston Solutions, Inc. (WESTON®) has prepared this report to document a Phase II Environmental Site Assessment (ESA) conducted for the Former Fulton Automobile (Auto) Wrecking property (Site), located at 2300 Fulton Road in Cleveland, Cuyahoga County, Ohio (**Figure 1**). The Phase II ESA was conducted at the request and authorization of the U.S. Environmental Protection Agency for Cuyahoga County, Ohio through the Targeted Brownfield Assessment (TBA) grant program.

The Phase II ESA was conducted in accordance with Ohio Administrative Code (OAC) 3745-300-07, the *Sampling and Analysis Plan (SAP)*, dated October 10, 2013, *Quality Assurance Project Plan (QAPP)*, dated October 2009, and Site-Specific *QAPP Addendum,* dated October 28, 2013 with any deviations noted herein. The purpose of the Phase II ESA was to investigate the Site for the presence of hazardous substances and petroleum products in environmental media. The Phase II ESA was conducted to assess Recognized Environmental Conditions (RECs) identified through a Phase I Environmental Site Assessment (Phase I), prepared by AOCC Group, Inc. (AOCC) (November 28, 2012). The future anticipated Site use is residential or mixed use.

The Phase II ESA was completed by the following WESTON personnel:

- Katie Mooney, TBA Program Manager
- Laura Funk, Certified Professional (CP) and Project Manager
- Tonya Balla, Quality Assurance (QA) Reviewer
- Lisa Graczyk, QA Reviewer
- Ryan Green, Field Geoscientist
- Dustin Bates, Field Geoscientist
- Andrew Kiel, Field Geoscientist
- Natalie Wojdakowski, Geographic Information Systems

The geophysical survey was completed by Geosearches, Inc. Rotosonic drilling and well installation was completed by Frontz Drilling, Inc. Analytical services were provided by Pace Analytical Services, Inc. Indianapolis (Ohio Voluntary Action Program [VAP] Certified Laboratory #CL0065) and Pace Analytical Services, Inc. New Orleans.

1.1 Site Background

The Site is located at 2300 Fulton Road, Cleveland, Cuyahoga County, Ohio. The Site occupies approximately 2 acres and is composed of two parcels identified as 007-07-044 and 007-07-037. Cuyahoga County online property records indicate that Parcel 007-07-044 was forfeited by DeSoto Properties, LLC to the State of Ohio on July 19, 2013 (Case #CV 543720), and Parcel 007-07-037 is owned by DeSoto Properties, LLC. The Site is bordered to the west by residences, to the north by residences and a cemetery, to the south by a railroad, and to the east by industrial properties.

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Historic records indicate that a filling station occupied the Site from the 1930s to the 1950s or later and that the Site has been used for automobile salvaging since the 1950s or earlier. The Site was vacant but evidence of usage as an automobile junk yard was observed during the Phase I ESA reconnaissance in 2012.

1.2 Phase II ESA Objectives

The objectives of the Phase II ESA included:

- Determining if underground storage tanks (USTs) are present in the area of the former filling station (i.e. location of gasoline tanks as indicated on the 1951 Sanborn map) and in the area of the unidentified vertical pipe that was observed during the Phase I ESA reconnaissance.
- Identifying the presence and concentrations of chemicals of concern (COCs) in Site soil and groundwater, including:
  - Characterizing surface and subsurface soil COCs as compared to Ohio VAP generic direct contact soil standards (GDCSS) for residential site use, Ohio VAP GDCSS for commercial/industrial site use, Ohio VAP GDCSS for protection of construction workers, generic leach-based soil values (LBSVs), and Ohio Bureau of Underground Storage Tank Regulations (BUSTR) action levels, as applicable.
  - Characterizing groundwater COCs as compared to Ohio VAP unrestricted potable use standards (UPUS) and Ohio BUSTR action levels, as applicable.
- Determining property setting information, including stratigraphy and hydrogeology, for use in preparing a conceptual Site model and potentiometric surface mapping.
- Characterizing investigation-derived waste (IDW) (both soil and water) generated during the investigation for waste profiling and disposal.

Investigation for asbestos-containing materials was not included in the Phase II ESA scope of work.

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2.0 Investigative Methodology

The Phase II ESA field investigation included soil sampling and groundwater sampling. Samples of IDW were also collected for waste characterization purposes. Sampling activities were conducted in October and November 2013. The Phase II ESA investigative methodology is described in the following sections. The Phase II ESA investigative locations are presented on **Figure** 2.

2.1 Geophysical Survey

An electromagnetic (EM) Terrain Conductivity survey was completed in the area of the gasoline USTs identified on the 1951 Sanborn map and in the area south of the former building, as shown on **Figure 2**. The EM survey was followed by a targeted Ground-Penetrating Radar (GPR) survey, as feasible, to further evaluate any significant anomalies identified by the EM survey.

The geophysical survey did not identify any metallic objects that could be indicative of a UST in the area of the former filling station. The geophysical survey identified a cylindrical object, which could be indicative of a UST or conductive utility line, in the area south of the former building. The response indicated the object was present at approximately 3 feet below ground surface (bgs). The cylindrical object response was observed in close proximity to a pipe protruding from the ground. The geophysical survey report is provided in **Appendix A**.

2.2 Soil Sampling

Soil samples were collected using sonic drilling techniques from 15 sampling locations. The soil sampling locations were identified in the approved *SAP* and are shown on **Figure 2**. Soil was continuously collected within sonic core barrels and extracted into disposable plastic liners. The lithology for each soil core was logged using the Unified Soil Classification System (USCS) and recorded on a boring log (**Appendix B**). Each core was screened for volatile organic compounds (VOCs) utilizing a photoionization detector (PID). PID screening was conducted by inserting the probe of the PID into cracks made in the soil core using a decontaminated steel scoop. PID screening results were recorded for each two foot (ft) interval on the boring logs.

The sampling procedures are documented in **Sections 2.2.1** and **2.2.2**. All samples were uniquely identified and labeled and stored on ice pending submittal to the laboratory. Soil samples were submitted for one or more of the following analyses: VOCs, semivolatile organic compounds (SVOCs), target analyte list (TAL) metals, total petroleum hydrocarbons (TPH) gasoline range organics (GRO), TPH diesel range organics (DRO), polychlorinated biphenyls (PCBs), hydrogen ion concentration (pH), and fractional organic carbon (FOC). The results of the analyses are described in **Section 5.1**.

2.2.1 Soil Sampling for SB01, SB02, and MW01

Soil borings in the historic UST area were advanced to the upper-most saturated zone. Soil samples were collected and containerized for every 2-ft interval of the vadose zone. The soil

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samples were collected in the following requisite order:

- Soil was collected directly from the soil core into Terra Core samplers, or equivalent, and extruded into the laboratory supplied vials for possible VOC and TPH-GRO analysis. No significant PID readings were observed. The Terra Core sampler was plunged into the core at three locations within the two ft interval to collect the sample. This practice was repeated for each vial filled.
- Soil was collected into a small sealed bag, filled no more than half full, for PID reading of the headspace following equilibration. Soil placed into the bag was representative of the two ft interval.
- With the exception of the 8 to 10 ft intervals (described as a deviation below), the remaining soil for each 2-ft interval identified for analysis was homogenized. The homogenizing procedure is designed to increase the probability that a relatively small sample aliquot is representative of a relatively large soil volume removed from a sample location, thereby enhancing the representativeness and reproducibility of the sample. The homogenizing process included placing the sample material in a decontaminated bowl and using a steel scoop to break up the material into pieces approximately ½ inch or less in diameter and mix the material. The homogenizing process was considered complete when the texture and color of the sample appear uniform throughout. The homogenized soil for remaining analyses was transferred into the appropriate sample jars. Any sizable stones, brick, asphalt, concrete, and vegetation/ root material were excluded from the samples.
- The sample containers were labeled and stored on ice pending selection of samples for analysis.

PID headspace readings were collected after a minimum elapse of 10 minutes and equilibration of the soil in the bags to room temperature (i.e. approximately 70 degrees Fahrenheit). PID headspace readings were determined by punching the probe of the PID through the plastic and into the headspace of the bag. The maximum PID reading for each bag was recorded as the PID headspace for that 2-ft interval.

The homogenization process implemented for the 8 to 10 ft interval of SB01, SB02, and MW01 did not comply with the *SAP*-specified procedure. This deviation was identified during the field investigation and corrected for borings conducted thereafter, as further described in **Section 2.2.2**. The SVOC, TPH-DRO, PCB, and metal soil samples for the 8 to 10 ft intervals of SB01, SB02, and MW01 were collected from the representative soil used for headspace analysis. This collection technique is not anticipated to have impacted the PCB and metals data, but there is a potential for low bias to the SVOC and TPH-DRO results for the 8 to 10 ft interval of SB01, SB02, and MW01 as a result of this collection technique.

Samples from SB01, SB02, and MW01 were selected for analysis per the following selection criteria:

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- The interval from 0 to 2 ft bgs at each boring was selected for analysis;
- The interval from 2 to 4 ft bgs at each boring was selected for analysis;
- The 2-ft interval immediately above the soil/groundwater interface at each boring was selected for analysis;
- Per the *SAP*, the 2-ft vadose zone interval exhibiting the highest PID headspace reading at each boring was selected for analysis, or if already represented by one of the samples identified above, then the 2-ft vadose zone interval with the second highest PID headspace reading was to be selected for analysis, or in the absence of headspace indications of contamination, the 8 to 10 ft interval was to be selected for analysis. Because there were no headspace indications of contamination, the intervals from 8 to 10 ft bgs at MW01, SB01, and SB02 were selected for analysis, which is consistent with the *SAP*.

Soil samples that were containerized but were not selected for analysis were incorporated into the on-Site IDW container with the exception of the sample jars preserved with methanol, which were sent to the laboratory for disposal.

2.2.2 Soil Sampling for SB03 through SB12, MW02, and MW03

Excluding MW02, MW03, and the borings identified in **Section 2.2.1,** all other soil borings were advanced to 10 ft bgs. MW02 and MW03 were advanced into the water table, but soil samples were selected for analysis from 0 to 10 ft bgs only consistent with this section and the *SAP*.

Soil samples were collected immediately following extraction of the soil from the boring and completion of the initial PID field screening. The Terra Core and headspace sampling procedures implemented for soil collected from MW02 and MW03 was consistent with the collection technique described in **Section 2.2.1**. For all other borings (i.e. SB03 through SB12) and the off-set location drilled to collect the 2 to 4 ft interval of MW02 (identified with the suffix "b"), the aliquots collected for VOC and TPH-GRO analysis and headspace readings were collected directly from the soil core at the location of the highest PID field screening results for the 2-ft interval.

The criteria for selection of soil samples for analysis was as follows:

- The interval from 0 to 2 ft bgs was sampled at each boring;
- The interval from 2 to 4 ft bgs was sampled at each boring;
- A 2-ft interval was selected from between 4 and 10 ft bgs and sampled at each boring. The 2-ft interval selected for sampling was biased to the interval with the most significant visual and olfactory observations of contamination and/or highest PID field screening readings. If there were no obvious signs of contamination, the 8 to 10 ft bgs interval was sampled.

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Soil samples were collected from the select 2-ft intervals immediately following completion of the initial PID field screening. If there were no visual or olfactory indications of contamination and the initial PID field screening did not indicate a volatile organic presence (i.e. PID field screening is consistent with background ambient air), then the VOC, TPH-GRO, and headspace samples were eliminated from the analyses required for that select 2-ft interval. As an exception, VOC, TPH-GRO, and headspace samples were retained as analyses for SB03 and SB12, regardless of PID field screening results and visual/olfactory observations for the purpose of providing additional delineation beyond the former and potential UST areas.

For each 2-ft interval selected for analysis per the criteria above, soil samples were collected in the following requisite order:

- Soil was collected directly from the soil core into Terra Core samplers, or equivalent, and extruded into the laboratory supplied vials for VOC and TPH-GRO analyses (as applicable).
- Soil was collected into small sealed bags, filled no more than half full, for PID reading of the headspace following equilibration (as applicable). The methodology for taking headspace readings was presented in **Section 2.2.1**.
- With the exception of the 8 to 10 ft interval of MW02 and 4 to 6 ft interval of MW03 (described as a deviation below), the remaining soil for each 2-ft interval identified for analysis was homogenized as described in **Section 2.2.1**.

The homogenization process implemented for the 8 to 10 ft interval of MW02 and 4 to 6 ft interval of MW03 did not comply with the *SAP*-specified procedure. The SVOC, TPH-DRO, PCB, and metal soil samples for these two intervals were collected from the representative soil used for headspace analysis. This collection technique is not anticipated to have impacted the PCB and metals data, but there is a potential for low bias to the SVOC and TPH-DRO results for the 8 to 10 ft interval of MW02 and 4 to 6 ft interval of MW03 as a result of this collection technique.

Soil samples that were containerized but were not selected for analysis were incorporated into the on-Site IDW container with the exception of the samples with containers preserved with methanol, which were disposed of by the laboratory.

2.3 Groundwater Sampling

Monitoring wells sampled as part of the Phase II ESA included three monitoring wells screened in the upper saturated zone. The monitoring well locations are shown on **Figure 2**. Groundwater samples were submitted for laboratory analysis of COCs including VOCs, SVOCs, and TAL metals. The results of the analyses are described in **Section 5.2**.

2.3.1 Monitoring Well Installation

The monitoring wells (MW01, MW02, and MW03) were installed in October 2013. The

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monitoring wells are constructed of 2-inch diameter, 10-ft (schedule 40), 0.010 slot, polyvinyl chloride (PVC) screen, and PVC riser. The well screens are 10 ft in length and positioned to straddle the water table. MW01 is screened at 24 to 34 ft bgs and MW02 and MW03 are screened at 21 to 31 ft bgs.

A filter sand-pack consisting of silica sand was installed from the bottom of the screen to between 1 and 2 ft above the top of the screen. A 2-ft thick bentonite seal, consisting of bentonite pellets, was installed above the filter sand pack and the remainder of the annular space was sealed with a bentonite-cement grout introduced via tremie pipe. The wells were completed with steel protective casings (stick-up casings). The protective casings were installed over the wells and each well was secured with an expandable plug and lock. The wells were finished with a 2-ft by 2-ft concrete pad, appropriately sloped to divert run off.

2.3.2 Monitoring Well Development

Monitoring wells installed during the Phase II ESA were developed on October 31, 2013 after a minimum of 24 hours had elapsed post-well construction. Well development activities were conducted by Frontz Drilling, Inc. in accordance with the *Technical Guidance Manual for Hydrogeologic Investigations and Ground Water Monitoring* (Ohio Environmental Protection Agency [OEPA], 2009). Each well was developed through purging techniques with three to five well volumes removed. Conductivity, pH, temperature, and turbidity were measured periodically during development. Well development logs were used to record conditions before, during, and post development (**Appendix B**).

2.3.3 Water Level Measurements

Static water level (SWL) measurements were collected using an oil-water interface probe on October 31, 2013 and November 4, 2013 (excluding MW03 due to probe error). Monitoring wells were opened and allowed to equilibrate with atmospheric pressure before measurement. All SWLs were collected within a 12 hour period to minimize the potential for atmospheric pressure change or impacts from precipitation events. Non-aqueous phase liquid (NAPL) was not identified by the oil-water interface probe in any of the monitoring wells. All depths to water measurements were recorded relative to the top of casing (TOC). The depths to water measurements were later correlated using survey data to determine the groundwater elevation above mean sea level (amsl). The groundwater elevation data is presented in **Table 1**.

2.3.4 Surveying

Monitoring wells were surveyed by a licensed surveyor (Dempsey Surveying Group) to establish TOC elevations and location with respect to northing and easting State Plane coordinates. Monitoring wells were surveyed for vertical datum relative to an established United States Geological Survey (USGS) benchmark. Survey elevations were collected for each TOC. A Global Positioning System (GPS) capable of sub-meter accuracy was used for northing and easting coordinate determination. Land-based survey methods were used to link newly installed monitoring wells with existing USGS datum. A GPS unit was also used to collect coordinates

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for the soil borings locations. Survey data is provided in **Appendix C**.

2.3.5 Groundwater Sampling

The EPA recommended low-flow sampling technique was utilized for the collection of groundwater samples from the Site monitoring wells. Low-flow sampling is designed to minimize aquifer disturbance, contaminant volatilization, and wastewater generation.

The methodology used for low-flow sampling was as follows: measure the SWL in the well to the nearest 0.01-ft, lower a bladder pump (submersible pump with dedicated tubing) so that the intake is within the screened interval, purge the monitoring well using the adjustable rate pump, monitor the water level, and adjust the pumping rate so that drawdown is no greater than 0.3 ft. The pump and tubing were lowered so that they did not contact and disturb any sediment that may have been present at the bottom of the well. Purging began at the lowest possible flow rate so that any sediment present in the well was not disturbed. During purging, groundwater was monitored for pH, temperature, conductivity, turbidity, dissolved oxygen and oxidation-reduction potential until the parameters were stabilized. All field conditions and sampling information were recorded on sampling logs (**Appendix B**). Once the parameters stabilized, groundwater samples were collected directly from the pump/tubing discharge into the sample containers provided by the laboratory. Due to malfunction of the oil-water interface probe, water level monitoring during purging of MW03 was not conducted.

2.4 IDW Sampling

The drums of solid IDW were divided into three conceptual waste streams based upon location of origin and field observations. A composite sample of the drum contents representing each waste stream was collected and analyzed for full-suite Toxicity Characteristic Leachate Procedure (TCLP) characterization and flashpoint. The results of the analyses are described in **Section 5.5**.

Development water, purge water, and decontamination water were containerized in drums. Decontamination water was containerized separate from the groundwater with the exception of water associated with decontamination of the bladder pump, which was included in the development and purge water drums. A representative sample of the decontamination water was collected and analyzed for VOCs, SVOCs, PCBs, and Resource Conservation and Recovery Act (RCRA) metals. A representative sample of the well development and purge water was collected and analyzed for PCBs. The pH of the decontamination water, as measured in the field, ranged from 8.2 to 9.1.

2.5 Sample Handling, Tracking, and Custody Procedures

2.5.1 Sample Labeling

All samples for analysis, including QC samples, were given a unique sample number per the following format in accordance with the approved *SAP*:

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FAW-matrixXX(Y-Z)-mmddyy

Where:

- "FAW" designates the sample is from the Fulton Auto Wrecking property
- "matrix" indicates the sample matrix, i.e. "SB" for soil boring, "MW" for monitoring well, and "IDW" for investigation-derived waste.
- "XX" is the location number for soil borings and monitoring wells and the sequential number for IDW samples. The sample locations are marked on the figures presented in this Phase II ESA report for reference.
- (Y-Z) is the sample depth interval, for soil samples only.
- mmddyy is the date.

An offset to sampling location MW02 was drilled on October 30, 2013 in order to collect a sample from 6 to 8 ft which was inadvertently omitted during drilling of MW02 on October 29, 2013. A second offset to MW02 was drilled on November 1, 2013 and designated MW02b, in order to collect a duplicate VOC sample from 2 to 4 ft bgs using the collection methodology identified in **Section 2.2.2**. The offset drilling locations were 5 to 10 ft away from the original MW02 drilling location (i.e. the MW02 monitoring well location).

Field duplicate samples were designated with a "D" suffix. Equipment blank samples were designated with a "EB" suffix. Trip blank samples were designated with a "TB" suffix. One trip blank submitted on October 28, 2013 deviated from this nomenclature and was labeled "Trip Blank."

2.5.2 Sample Packaging and Shipping Procedures

All samples were identified, handled, shipped, tracked, and maintained under chain of custody in accordance with the *QAPP*.

All samples were collected in appropriate, laboratory-supplied sample containers, pre-preserved by the laboratory as applicable. Sample containers were tightly sealed and immediately packed on ice in coolers in an upright position. Upon collection of all samples, the appropriate laboratory chain-of-custody forms were completed. Sample coolers were securely taped prior to delivery to prevent any tampering or loss of samples. Samples were shipped via laboratory courier with relinquish and acceptance dates and times recorded on the chain of custody forms.

Sample custody and chain-of-custody protocols as described in the EPA Region V Policy "NEIC Policies and Procedures," EPA-330/9-78-001-R, revised June 1985 were followed. The chain-of-custody allows for the tracing of possession and handling of individual samples from the time of field collection through the analytical laboratory analyses.

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2.5.3 Quality Assurance/Quality Control Procedures

Field QA/QC samples were obtained and submitted for analysis during the course of the field investigation activities for use in assessing the quality of the data resulting from the field sampling program, including:

- Trip Blanks: These samples are applicable to VOC analyses, and therefore accompanied each of the groundwater and soil sample shipments (one trip blank per cooler). They were prepared by the laboratory from deionized (DI) water, and accompanied the project samples through all custody changes to provide information regarding possible contamination obtained during the sample handling process and, thereby, provide a measure of analytical accuracy.
- Duplicates: These samples are duplicate samples collected in the field and submitted to the laboratory without indication of the corresponding sample. These samples were collected at a rate of 1 per every 20 samples and provide a measure of laboratory precision and matrix variability.
- Field Rinsate Blanks: These samples were collected to evaluate the effectiveness of the field decontamination of reusable sampling equipment. Field rinsate blanks were prepared by pouring DI water over the sampling equipment after a decontamination procedure was completed. This rinse water was then collected and submitted for analysis to provide an indication of the effectiveness of decontamination procedures (carry-over from sample to sample). Two field rinsate blanks were collected and analyzed.
- Matrix Spike Samples: Additional aliquots of investigative samples were provided to the laboratory at a rate of 1 per every 20 samples for matrix spike/matrix spike duplicate analysis. These analyses provide indication of potential matrix interference with the analytical results.

The QA/QC sample results were evaluated as part of the data validation process. Data validation reports are provided in **Appendix D**. Validation qualifiers were applied to the data in the report tables.

2.6 Field Measurements and Recordkeeping

The field team and project manager monitored adherence to the, *SAP, QAPP, and QAPP Addendum*. A field logbook and task-specific forms (e.g., groundwater purging forms and soil boring logs) were maintained to document the sampling activities. Field screening and monitoring equipment was calibrated daily as recorded in the logbook.

At the beginning of each logbook entry, the date, start time, and weather conditions were recorded. Measurements made and samples collected were recorded in the field logbook or on field forms. Entries were made in ink with no erasures. If an incorrect entry was made, the information was crossed out with a single strike mark, initialed, and dated. At the end of each logbook entry, the signature of the person making the entry was entered.

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Evidentiary files for the entire project have been maintained and consist of the following:

- *SAP*
- *QAPP* and *QAPP Addendum*
- Project logbook
- Field data records
- Chain-of-custody records
- Correspondence
- Final data packages
- Miscellaneous documents (photographs, maps, drawings, etc.)
- Reports

2.7 Decontamination procedures

All reusable sampling and downhole equipment coming into contact with potentially contaminated media was decontaminated prior to each use, between each sampling location, and at the completion of the field investigation. Decontamination methods for sampling equipment consisted of an Alconox detergent wash followed by a potable water rinse. Drilling equipment was decontaminated using a steam pressure washer over a tub. All water generated during decontamination activities was collected, containerized, and staged on Site pending transportation and disposal.

2.8 Waste Characterization and Management

During all field activities, IDW, including soil cuttings, well development and purge water and decontamination water, was collected and containerized. Solid IDW and liquid IDW were containerized separately. IDW was containerized in Department of Transportation approved 55 gallon drums and staged together on the Site at a flat, truck-accessible location (i.e. inside the Bailey Court gate). The drums were securely closed during storage. The drums were labeled with the following information pending receipt of waste characterization results:

- This container on hold pending analysis
- Contents: Investigation-derived waste, solid (soil cuttings), or liquid (well purge water, decontamination water) [indicated as applicable])
- Origin of Materials: SBXX or MWXX (multiple investigative locations were indicated, as applicable)
- Date (of first use)
- Site address

The drums of IDW were transported off-Site for disposal. Disposable sampling equipment and

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personal protective equipment such as gloves were disposed in a sanitary waste dumpster as general refuse.

2.9 Analytical Methodology

Pace Analytical, a VAP-certified laboratory, performed the analyses using the methodologies presented below. VAP-certified methodologies were not required for TCLP, flashpoint, pH, and FOC.

Soil investigative samples were analyzed using one or more of the following analytical methods:

- VOCs – EPA Method 8260B. Soil samples were collected using Terra Core samplers and processed per Method 5035A
- TPH-GRO – EPA Method 8015B. Soil samples were collected using Terra Core samplers and processed per Method 5035A
- SVOCs – EPA Method 8270C
- TPH-DRO - EPA Method 8015M
- TAL metals – EPA Method 6000/7000 Series
- PCBs – EPA Method 8082
- pH - EPA Method 150.1 or 9045
- Total organic carbon – Method Walkley-Black

The soil IDW samples were analyzed using the following analytical methods:

- TCLP – EPA Method 1311 and 7470A, SW6010B, SW8270C, SW8260, 8081, and 8151
- Flashpoint – EPA Method 1010

Groundwater samples were analyzed using the following analytical methods:

- VOCs – EPA Method 8260
- SVOCs - EPA Method 8270
- TAL metals – EPA Method 6000/7000 Series

The decontamination water IDW sample was analyzed using the following analytical methods:

- VOCs – EPA Method 8260
- SVOCs - EPA Method 8270

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- RCRA metals – EPA Method 6000/7000 Series

A composite sample of the well development and purge water was analyzed for PCBs by EPA Method 8082.

The list of TAL metals included aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc.

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3.0 Environmental Setting

3.1 Regional Physiography

The Cuyahoga County online geographic information system indicates that the ground surface elevation of the Site ranges from approximately 670 to 690 ft amsl with a steep downward slope along the southern boundary and a gradual slope near the eastern boundary. The Soil Conservation Service classification of soil in the area of the Site is Urban Land.

3.2 Regional Geology and Hydrogeology

According to the Phase I ESA (AOCC, 2012), the underlying geological materials are classified as Upper Devonian age, Stratified Sequence. The Soil Survey of Cuyahoga County, Ohio (United States Department of Agriculture [USDA] 1980) identifies the soil type for the Site as Elnora-Urban land complex. This soil is described as being 70 percent urban land and 30 percent Elnora loamy fine sand. Permeability is moderately rapid to rapid and runoff is low is this soil.

The Cuyahoga County Groundwater Resources map indicates the Site is located in an area of impermeable deposits (clay overlaying shale or shaley sandstone) likely to yield less than 3 gallons per minute. Well logs in the vicinity of the Site available through the Ohio Department of Natural Resources website indicate well depths in the range of 15 to 36 ft.

3.3 Site Geology and Hydrogeology

Brick, limestone, and concrete fragments were observed on the ground surface over much of the Site. The Site geology observed during the Phase II ESA was primarily sand, clayey sand, and sandy gravels. Occasional fragments of brick, rock, wood, and other debris were observed at depths up to 13 ft bgs. Low permeability lenses (stiff silty clay or clayey silt) usually one foot or less in thickness were observed in several borings at depths ranging from 6 to 18 ft bgs. Staining and/or odor was observed in four borings: MW01 (27.5 to 28.5 ft bgs), SB05 (7 ft bgs), SB08 (7 to 10 ft bgs), and SB10 (4 to 7 ft bgs). **Figure 3** presents Site-specific stratigraphic cross section information. Soil boring and monitoring well installation logs are included in **Appendix B**.

Saturation was generally encountered at 23 to 26 ft bgs within sand and sandy gravel. The Geocheck® Physical Setting section of the Environmental Data Resources, Inc. (EDR) report included with the Phase I ESA indicated that groundwater flow was likely in a northeast direction, but SWL measurements from Site monitoring wells indicate flow direction at the Site to be in an east-southeast direction. A potentiometric surface map based upon SWL measurements collected on October 31, 2013 is presented as **Figure 4**.

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3.4 Groundwater Classification

Groundwater classification is required under OAC 3745-300-10 for each groundwater zone containing COCs in excess of UPUS in order to determine the appropriate response requirements. Groundwater classification is determined based upon a number of factors including use for public water supply, the sustainable yield of the zone, the total dissolved content, and type and depth of the unit formation.

As described in **Section 5.2**., COCs were not identified in groundwater at concentrations exceeding UPUS, therefore, classification of the groundwater is not required for this Site.

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4.0 Determination of Applicable Standards

To achieve VAP compliance, each exposure pathway that is complete or reasonably anticipated to be complete must meet applicable standards for that pathway and cumulative risk must not exceed the established risk goals. The following sections include an evaluation of the exposure pathways, receptor populations, and applicable standards identified for the Site.

4.1 Exposure Pathways and Receptors

The following exposure pathways are complete or reasonably anticipated to be complete based upon an assumed future residential or mixed use of the Site:

- Potable and/or non-potable use of groundwater,
- Leaching of COCs from soil to groundwater,
- Particulates or vapor emissions from soil to outside air,
- Direct contact with soil by residential receptors, commercial/industrial receptors, and construction workers, and
- Vapor intrusion to indoor air (if a building were constructed in the future).

In addition, the following pathways to off-site receptors also warrant consideration:

- Potable and non-potable use of groundwater,
- Vapor intrusion to indoor air,
- Particulates or vapor emissions from soil to outside air,
- Protection of surface water quality from groundwater discharges, and
- Protection of important ecological resources, if applicable.

Reasonably anticipated current and future receptors include:

- Adults and children occupying residential units on the Site;
- Adult commercial or industrial workers employed at the future businesses on the Site;
- Construction workers responsible for development of the Site and ongoing maintenance;
- Visitors and patrons to the future establishments on the Site or to residential units on the Site;

Potential off-site receptors which may include:

- Workers, occupants, visitor, and recreational users of adjacent properties;

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- Important ecological resources.

This list of exposure pathways and receptor populations may be refined through a Property-Specific Risk Assessment or further evaluation.

4.2 Applicable Standards

Based upon the identified exposure pathways and potential receptor populations, the applicable standards used to determine VAP compliance for Site environmental media are:

- GDCSS for residential land use within 0 to 10 ft soil point of compliance (dermal contact with soil, inhalation of vapors and particles from soil, and ingestion of soil at a high frequency).
- GDCSS for commercial/industrial land use within 0 to 2 ft soil point of compliance (dermal contact with soil, inhalation of vapors and particles from soil, and ingestion of soil during the business day).
- GDCSS for construction worker protection within a 0 to 10 ft soil point of compliance.
- Leach-based soil standards for protecting groundwater for potable use (vadose zone).
- UPUS for groundwater on, and emanating from, the Site.

Generic vapor intrusion screening levels for bulk soil are not available in the Ohio VAP rules. Johnson and Ettinger modeling may be conducted to determine if volatile compounds detected in soil could present a risk of vapor intrusion to indoor air. If potential vapor intrusion risk is identified, further evaluation through collection of soil gas samples or remediation such as mitigation of the risk is necessary to proceed with the voluntary action. Johnson and Ettinger modeling is beyond the scope of the Phase II ESA and would typically be conducted as part of a Property-Specific Risk Assessment, if necessary.

Per the OAC 3745-300-09, a risk assessment must be performed to determine applicable standards for COCs that were detected for which standards are not provided in OAC 3745-300-08, to derive Site-specific standards, or for assessment of non-default pathways. Completion of a VAP-compliant Property-Specific Risk Assessment was beyond the scope of the Phase II ESA.

4.3 Multiple Chemical Adjustment

The Ohio VAP requires that an evaluation of cumulative risk levels be conducted if more than one non-carcinogenic or carcinogenic chemical is present within each area of concern (AOC) or Exposure Unit. In order for the Site to meet the applicable VAP standards, the sum of the ratios of each chemical against its respective site standard must not exceed 1, calculated at one significant figure. If the cumulative non-cancer or cumulative cancer risk ratio exceeds 1, then a multiple chemical standard must be derived for each COC.

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For direct contact with soils, the carcinogenic hazard index estimate was determined using the following equation:

$$Cumulative\,cancer\,risk\,ratio\;\;for\;direct\;contact = \left[\frac{\text{chem}_a}{\text{GDCSC}_a} + \frac{\text{chem}_b}{\text{GDCSC}_b} + \ldots\right]$$

Where:

- GDCSC is the generic direct contact soil standard for a single carcinogen
- chem_x is the chemical-specific exposure point concentration for direct contact soils (representative concentration for the AOC).

The noncarcinogenic hazard index estimate was determined using the following equation as presented in the table below:

$$Cumulative\,noncancer\,risk\,ratio\;\;for\;direct\;contact = \left[\frac{\text{chem}_a}{\text{GDCSN}_a} + \frac{\text{chem}_b}{\text{GDCSN}_b} + \ldots\right]$$

Where:

- GDCSN is the generic direct contact soil standard for a single noncarcinogen
- chem_x is the chemical-specific exposure point concentration for direct contact soils (representative concentration for the AOC).

The multiple chemical adjustment evaluation for this Site is presented in **Section 5.1.1**.

4.4 COCs in Background Soil

Due to a long history of industrial activities in urban areas, the background levels of various COCs are often higher than those encountered in pristine locations having little anthropogenic influence. Soils in urban settings often contain elevated levels of metals related to fallout associated with the burning of fossil fuels and refuse for the generation of heat and power, or from other industrial sources. Therefore, it is useful to determine background levels of applicable COCs when assessing a Site. A suitable area for background soil sampling is not present on Site.

OAC Rule 3745-300-07 (H)(2) specifies how the volunteer may determine background levels using off-property investigations when it is not possible to find sampling locations that are unaffected by Site activities. These investigations may use data that are demonstrated to be reliable and representative of background levels for the property and may include peer-reviewed information, research reports generated or sponsored by local, state, or federal agencies, or college or university research reports including theses and dissertations. OEPA has compiled a

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background metals data set for Cuyahoga County soil and determined background upper limits as described in the *Evaluation of Background Metal Soil Concentrations in Cuyahoga County–Cleveland Area, Summary Report*, March 2013. The following background upper limits are identified in the cited report:

- Arsenic – 24.0 milligrams per kilogram (mg/kg)
- Barium – 98.9 mg/kg
- Cadmium – 0.834 mg/kg
- Chromium – 21.1 mg/kg
- Lead – 51.7 mg/kg
- Mercury – 0.097 mg/kg
- Selenium – 0.943 mg/kg

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5.0 Phase II ESA Results

The results of the Phase II ESA are described in this section. The results have been compared to the applicable standards identified in **Section 4.2**. The laboratory affidavits and data packages are provided in **Appendix E**.

5.1 Soil

Soil samples were analyzed for one or more of the following analyses per the selection criteria described in **Section 2.2**: VOCs, SVOCs, TAL metals, TPH-GRO, TPH-DRO, and PCBs. One sample per boring was selected for FOC and pH analyses. The results are presented in **Table 2**.

The Ohio VAP direct contact point of compliance for residential (unrestricted) use is to a minimum of 10 ft bgs. Several polycyclic aromatic hydrocarbons (PAHs) are present in surface and subsurface soil at concentrations exceeding residential GDCSS. Butylbenzylphthalate was detected in surface soil of SB10 at a concentration exceeding the residential GDCSS. Arsenic was detected at concentrations exceeding residential GDCSS in numerous soil samples, but most concentrations were near the background upper limit with the exception of elevated arsenic concentrations reported in SB05 (0 to 2 ft, 2 to 4 ft). Lead was detected in several samples at concentrations exceeding residential GDCSS which is also above the background lead concentrations. Antimony was detected in subsurface soil of SB08 (8 to 10 ft) at a concentration exceeding the residential GDCSS. PCBs (Aroclor-1260) were detected in subsurface soil of SB08 (8 to 10 ft) at a concentration exceeding the residential GDCSS. **Figure 5** shows soil results within 0 to 10 ft bgs that exceed the VAP residential GDCSS.

A shallower point of compliance may be applied if the residential use is restricted through appropriate controls so as to prevent direct contact exposure to soil at depths below the applied point of compliance (e.g. limitation to excavation depths and slab-on-grade construction). A technical guidance document that discusses use of a restricted residential point of compliance is provided in **Appendix F**. As described in the guidance document, application of a restricted point of compliance can be beneficial for properties for which remediation of the 0 to 10 ft zone is not economically or technically feasible. **Figure 6** shows soil results within 0 to 4 ft bgs that exceed the VAP residential GDCSS.

The Ohio VAP direct contact point of compliance for commercial/industrial use is to a minimum of 2 ft bgs. To accommodate decision making for grade changes that may be needed to prepare the Site for development, soil results within 0 to 4 ft bgs have been compared to commercial/industrial GDCSS. Several PAHs are present in surface and subsurface soil at concentrations exceeding commercial/industrial GDCSS. Butylbenzylphthalate was detected in surface soil of SB10 at a concentration exceeding commercial/industrial GDCSS. Lead was detected in the surface soil sample collected at SB04, at a concentration exceeding the commercial/industrial GDCSS. Arsenic was detected in samples from surface and 2 to 4 ft bgs at SB05 at concentrations exceeding commercial/industrial GDCSS. **Figure 7** shows soil results within 0 to 4 ft bgs that exceed the VAP commercial/industrial GDCSS.

The Ohio VAP direct contact point of compliance for construction workers is to the maximum

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anticipated depth of excavation during construction and infrastructure placement or repair, typically to 10 ft bgs. Several PAHs were detected in SB11 (2 to 4 ft) at a concentration exceeding the construction worker GDCSS. Butylbenzylphthalate was detected in surface soil of SB10 at a concentration exceeding the construction worker GDCSS. 1,2,4-Trimethylbenzene was detected in MW02 (2 to 4 feet) at a concentration exceeding the construction worker GDCSS. Lead was detected in several samples at concentrations above the construction worker GDCSS. **Figure 8** shows soil results within 0 to 10 ft bgs that exceed the VAP construction worker GDCSS.

TPH was detected in SB08 (8 to 10 ft) and SB11 (2 to 4 ft) at concentrations exceeding the residual saturation levels (i.e. BUSTR action levels). The BUSTR action levels are used by the Ohio VAP as applicable standards for TPH identified within the points of compliance. TPH concentrations exceeding BUSTR action levels are shown on **Figures 5 through 8**, as relevant to the depths indicated.

Several VOCs, SVOCs, and metals were detected at concentrations exceeding generic LBSVs. LBSVs represent the concentrations of hazardous substances or petroleum that may be present in the soils that ensure protection of potable groundwater use. Leaching potential is highly dependent on a number of Site-specific factors including FOC content, soil pH, clay content, hydraulic conductivity, etc. Generic LBSVs are conservative in order to be protective in most geologic conditions typical for Ohio. Site-Specific LBSVs, which are often less conservative, can be developed as part of a Property-Specific Risk Assessment.

5.1.1 Multiple Chemical Adjustment Evaluation

As a conservative method of determining if multiple chemical adjustment of the GDCSS may be necessary, the maximum concentration of each COC detected anywhere on the Site was used as representative concentrations in cumulative risk level calculations. This is consistent with the Ohio VAP rules which require the representative concentration of each COC within an AOC or Exposure Unit to be determined by either calculating the 95 percent upper confidence limit or by using the maximum concentration of the data set.

Table 3 presents a cumulative risk level calculation for COCs identified from 0 to 2 ft bgs. The cumulative cancer and non-cancer risk ratios for a residential receptor exceed one, indicating that remedial measures or further evaluation are needed and the GDCSS must be adjusted for the presence of multiple chemicals. The cumulative cancer risk ratio for a commercial/industrial receptor exceeds one, indicating that remedial measures or further evaluation are needed and the GDCSS must be adjusted for the presence of multiple chemicals. The cumulative non-cancer risk ratio for a commercial/industrial receptor does not exceed one.

- Chemicals that significantly contribute to the non-cancer risk to a residential receptor in the 0 to 2 ft zone (i.e. risk ratios of 0.25 or greater) include antimony, arsenic, cadmium, chromium, thallium, zinc, and mercury.

- Chemicals that significantly contribute to the cancer risk to a residential receptor in the 0 to 2 ft zone (i.e. risk ratios of 0.25 or greater) include arsenic, benzo(a)anthracene,

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benzo(a)pyrene, benzo(b)fluoranthene, butylbenzylphthalate, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

- Chemicals that significantly contribute to the cancer risk to a commercial/industrial receptor in the 0 to 2 ft zone (i.e. risk ratios of 0.25 or greater) include arsenic, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

Table 4 presents a cumulative risk level calculation for COCs identified from 0 to 4 ft bgs. The cumulative cancer and non-cancer risk ratios for a residential receptor exceed one, indicating that remedial measures or further evaluation are needed if included within the point of compliance and the GDCSS must be adjusted for the presence of multiple chemicals. The cumulative cancer risk ratio for a commercial/industrial receptor exceeds one, indicating that remedial measures or further evaluation are needed if included within the point of compliance and the GDCSS must be adjusted for the presence of multiple chemicals. The cumulative non-cancer risk ratio for a commercial/industrial receptor does not exceed one, based upon one significant figure.

- Chemicals that significantly contribute to the non-cancer risk to a residential receptor in the 0 to 4 ft zone (i.e. risk ratios of 0.25 or greater) include 1,2,4-trimethylbenzene, fluoranthene, naphthalene, pyrene, antimony, arsenic, cadmium, chromium, thallium, zinc, mercury, and PCBs.

- Chemicals that significantly contribute to the cancer risk to a residential receptor in the 0 to 4 ft zone (i.e. risk ratios of 0.25 or greater) include arsenic, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, butylbenzylphthalate, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, and naphthalene.

- Chemicals that significantly contribute to the cancer risk to a commercial/industrial receptor in the 0 to 4 ft zone (i.e. risk ratios of 0.25 or greater) include arsenic, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, and naphthalene.

Table 5 presents a cumulative risk level calculation for COCs identified from 0 to 10 ft bgs. The cumulative cancer and non-cancer risk ratios for a residential receptor exceed one, indicating that remedial measures or further evaluation are needed and the GDCSS must be adjusted for the presence of multiple chemicals. The cumulative cancer and non-cancer risk ratios for a construction worker exceed one, indicating that remedial measures or further evaluation are needed and the GDCSS must be adjusted for the presence of multiple chemicals.

- Chemicals that significantly contribute to the non-cancer risk to a residential receptor in the 0 to 10 ft zone (i.e. risk ratios of 0.25 or greater) include 1,2,4-trimethylbenzene, fluoranthene, naphthalene, pyrene, antimony, arsenic, cadmium, chromium, thallium, zinc, and mercury.

- Chemicals that significantly contribute to the cancer risk to a residential receptor in the 0 to 10 ft zone (i.e. risk ratios of 0.25 or greater) include arsenic, benzo(a)anthracene,

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benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, butylbenzylphthalate, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, and naphthalene.

- Chemicals that significantly contribute to the non-cancer risk to a construction worker in the 0 to 10 ft zone (i.e. risk ratios of 0.25 or greater) include 1,2,4-trimethylbenzene, anthracene, naphthalene, antimony, and arsenic.

- Chemicals that significantly contribute to the cancer risk to a construction worker in the 0 to 10 ft zone (i.e. risk ratios of 0.25 or greater) include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene, and naphthalene.

Because the disease end points for lead include more than just carcinogenic and non-carcinogenic effects, it is not necessary to include lead in the risk ratio calculation. As described in **Section 5.1**, lead was detected in surface and subsurface samples at concentrations exceeding residential, commercial/industrial, and construction worker GDCSS indicating that remedial measures or further evaluation are needed. Likewise, TPH is not included in the risk ratio calculation. TPH was detected in SB08 (8 to 10 ft) and SB11 (2 to 4 ft) at concentrations exceeding the residual saturation levels (i.e. BUSTR action levels). The BUSTR action levels are used by the Ohio VAP as applicable standards for TPH identified within the points of compliance.

GDCSS are not available for all COCs detected in Site soil. Per the OAC 3745-300-09, a risk assessment must be performed to determine applicable standards for COCs that were detected for which standards are not provided in OAC 3745-300-08.

5.2 Groundwater

Groundwater samples were collected and analyzed for VOCs, SVOCs, and metals. The results with concentrations above the laboratory detection limits are summarized in **Table 6**. All samples were compared to Ohio VAP UPUS. No COCs were detected in the groundwater at concentrations exceeding UPUS.

5.3 Leaching Evaluation

Groundwater meets UPUS and thus Protection of Groundwater Meeting UPUS applies to the vadose zone soil. LBSVs represent the concentrations of hazardous substances or petroleum that may be present in the soils that ensure protection of potable groundwater use. As a screening level evaluation, soil sampling results within the vadose zone were compared to generic LBSVs (**Table 2**). LBSVs for organics used for comparison were the generic OEPA LBSVs, Soil Type 1, Dilution Attenuation Factor (DAF) of 1 (2008); and the BUSTR generic petroleum standards for soil to drinking water leaching values (2012). The OEPA LBSVs for inorganics correspond to a DAF of 10.

The following COCs were detected in surface and subsurface samples at concentrations exceeding LBSVs: 2-butanone, benzene, trichloroethene, benzo(a)anthracene, benzo(a)pyrene,

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benzo(b)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, naphthalene, antimony, arsenic, cadmium, chromium, lead, nickel, and thallium.

5.4 Quality Assurance/Quality Control Results

The QA/QC sample results were evaluated as part of the data validation process. Data validation reports are provided in **Appendix D**. Validation qualifiers were included in the report tables.

5.5 Waste Characterization Results

Samples of IDW were collected for waste characterization purposes. The waste characterization results are presented in **Tables 7 and 8**. No chemical results exceeded the regulatory criteria for hazardous waste toxicity. The IDW was disposed of as non-hazardous waste.

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6.0 Conclusions

WESTON® conducted a Phase II ESA for the Former Fulton Auto Wrecking property, located at 2300 Fulton Road in Cleveland, Cuyahoga County, Ohio. The Site is vacant but future anticipated Site use is residential or mixed use.

The Phase II ESA was conducted at the request and authorization of EPA for Cuyahoga County, Ohio through the TBA grant program. The Phase II ESA was conducted in accordance with OAC 3745-300-07, the *SAP*, dated October 10, 2013, *QAPP*, dated October 2009, and Site-Specific *QAPP Addendum*, dated October 28, 2013 with any deviations noted herein.

The purpose of the Phase II ESA was to investigate the Site for the presence of hazardous substances and petroleum products in environmental media. The Phase II ESA field investigation was conducted in October and November 2013 and included soil sampling and groundwater sampling. Samples of IDW were also collected for waste characterization purposes.

A geophysical survey was conducted to determine if USTs were present in target areas on the Site. The geophysical survey did not identify any metallic objects that could be indicative of a UST in the area of the former filling station. The geophysical survey identified a cylindrical object, which could be indicative of a UST or conductive utility line, in the area south of the former building.

Soil samples were collected from depths ranging from 0 to 29 ft bgs, with most samples collected within the 0 to 10 ft zone. Site soil collected during the Phase II ESA was primarily sand, clayey sand, and sandy gravels. Occasional fragments of brick, rock, wood, and other debris were observed at depths up to 13 ft bgs. Low permeability lenses (stiff silty clay or clayey silt) usually one foot or less in thickness were observed in several borings at depths ranging from 6 to 18 ft bgs. Staining and/or odor was observed in four borings: MW01 (27.5 to 28.5 ft bgs), SB05 (7 ft bgs), SB08 (7 to 10 ft bgs), and SB10 (4 to 7 ft bgs). Soil samples were analyzed for one or more of the following: VOCs, SVOCs, TAL metals, TPH-GRO, TPH-DRO, PCBs, pH, and FOC.

The Ohio VAP direct contact point of compliance for residential (unrestricted) use is to a minimum of 10 ft bgs, but a shallower point of compliance may be applied if the residential use is restricted through appropriate controls. Several PAHs are present in surface and subsurface soil at concentrations exceeding residential GDCSS. Butylbenzylphthalate was detected in surface soil of SB10 at a concentration exceeding the residential GDCSS. Arsenic was detected at concentrations exceeding residential direct contact soil standards in numerous soil samples, but most concentrations were near the background upper limit with the exception of elevated arsenic concentrations reported in SB05 (0 to 2 ft, 2 to 4 ft). Lead was detected in several samples at concentrations exceeding residential GDCSS. Antimony was detected in subsurface soil of SB08 (8 to 10 ft) at a concentration exceeding the residential GDCSS. The cumulative cancer and non-cancer risk ratios for a residential receptor exceed one in the 0 to 2 ft bgs zone, 0 to 4 ft bgs zone, and 0 to 10 ft bgs zone, indicating that remedial measures or further evaluation are needed and the GDCSS must be adjusted for the presence of multiple chemicals.

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The Ohio VAP direct contact point of compliance for commercial/industrial use is to a minimum of 2 ft bgs. To accommodate decision making for grade changes that may be needed to prepare the Site for development, soil results within 0 to 4 ft bgs have been compared to commercial/industrial GDCSS. Several PAHs are present in surface and subsurface soil at concentrations exceeding commercial/industrial GDCSS. Butylbenzylphthalate was detected in surface soil of SB10 at a concentration exceeding commercial/industrial GDCSS. Lead was detected in several samples at concentrations exceeding commercial/industrial GDCSS. The cumulative cancer risk ratio for a commercial/industrial receptor exceeds one in the 0 to 2 ft bgs zone and 0 to 4 ft bgs zone, indicating that remedial measures or further evaluation are needed and the GDCSS must be adjusted for the presence of multiple chemicals.

The Ohio VAP direct contact point of compliance for construction workers is to the maximum anticipated depth of excavation during construction and infrastructure placement or repair, typically to 10 ft bgs. Several PAHs were detected in SB11 (2 to 4 ft) at a concentration exceeding the construction worker GDCSS. Butylbenzylphthalate was detected in surface soil of SB10 at a concentration exceeding the construction worker GDCSS. 1,2,4-Trimethylbenzene was detected in MW02 (2 to 4 feet) at a concentration exceeding the construction worker GDCSS. Lead was detected in several samples at concentrations the construction worker GDCSS. The cumulative cancer and non-cancer risk ratios for a construction worker exceed one for the 0 to 10 ft bgs zone, indicating that remedial measures or further evaluation are needed and the GDCSS must be adjusted for the presence of multiple chemicals.

In addition, TPH was detected in SB08 (8 to 10 ft) and SB11 (2 to 4 ft) at concentrations exceeding the residual saturation levels (i.e. BUSTR action levels). The BUSTR action levels are used by the Ohio VAP as applicable standards for TPH identified within the points of compliance.

Groundwater samples were collected and analyzed for VOCs, SVOCs, and metals. No COCs were detected in the groundwater at concentrations exceeding UPUS. Groundwater flow was determined to be in a east-southeast direction.

Because groundwater meets UPUS, provisions for protecting the groundwater quality apply to the vadose zone soil. As a screening level evaluation, soil sampling results within the vadose zone were compared to generic LBSVs. COCs were detected in surface and subsurface samples at concentrations exceeding LBSVs, including 2-butanone, benzene, trichloroethene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, naphthalene, antimony, arsenic, cadmium, chromium, lead, nickel, and thallium. Leaching potential is highly dependent on a number of Site-specific factors including FOC content, soil pH, clay content, hydraulic conductivity, etc. Generic LBSVs are conservative in order to be protective in most geologic conditions typical for Ohio. Site-Specific LBSVs, which are often less conservative, can be developed as part of a Property-Specific Risk Assessment but this was beyond the scope of the Phase II ESA.

Volatile compounds were detected in the soil and thus evaluation of vapor intrusion risk is warranted prior to construction of any enclosed-space buildings on the Site. Generic vapor intrusion screening levels for bulk soil are not available in the Ohio VAP rules. Johnson and

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Ettinger modeling may be conducted to determine if volatile compounds detected in soil could present a risk of vapor intrusion to indoor air. If potential vapor intrusion risk is identified, further evaluation through collection of soil gas samples or remediation such as mitigation of the risk is necessary to proceed with the voluntary action. Johnson and Ettinger modeling is beyond the scope of the Phase II ESA and would typically be conducted as part of a Property-Specific Risk Assessment.

In summary, the Site does not meet applicable standards under the Ohio VAP for residential use (unrestricted or restricted), commercial/industrial use, or for protection of construction workers. Applicable standards were exceeded for the direct contact with soil and leaching pathways. Generic standards are not available for all COCs and complete or potentially complete pathways, thereby warranting a Property-Specific Risk Assessment. Further evaluation and/or remedial measures are warranted to proceed with the voluntary action on the Site.

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TABLES

Table 1
Groundwater Elevations
Former Fulton Auto Wrecking Phase II ESA
Cleveland, Cuyahoga County, Ohio

Well Number	Depth to Water [1] 10/31/2013 (ft)	TOC Elevation (ft amsl)	Ground Surface Elevation (ft amsl)[2]	Groundwater Elevation 10/31/2013 (ft amsl)
MW01	27.52 ft	689.80	686.91	662.28
MW02	24.33 ft	686.46	683.82	662.13
MW03	24.75 ft	687.36	684.52	662.61
Well Number	**Depth to Water [1] 11/4/2013 (ft)**	**TOC Elevation (ft amsl)**	**Ground Surface Elevation (ft amsl)[2]**	**Groundwater Elevation 11/4/2013 (ft amsl)**
MW01	27.62 ft	689.80	686.91	662.18
MW02	24.37 ft	686.46	683.82	662.09

Notes:
[1]Measurements taken from the top of well casing
[2]As measured at the concrete pad of the well
amsl = above mean sea level
ft = feet
TOC = top of casing

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Table 2
Soil Analytical Results
Former Fulton Auto Wrecking Property
Cleveland, Cuyahoga County, Ohio

						Location ID	FAW-MW01	FAW-MW01	FAW-MW01	FAW-MW01	FAW-MW01	FAW-MW02	FAW-MW02	FAW-MW02	FAW-MW02b	FAW-MW03	FAW-MW03
						Field Sample ID	FAW-MW01(0-2)-102813	FAW-MW01(0-2)-102813D	FAW-MW01(2-4)-102813	FAW-MW01(8-10)-102813	FAW-MW01(24-26)-102813	FAW-MW02(0-2)-102913	FAW-MW02(2-4)-102913	FAW-MW02(6-8)-103013	FAW-MW02b(2-4)-110113	FAW-MW03(0-2)-102913	FAW-MW03(2-4)-102913
						Sample Date	10/28/2013	10/28/2013	10/28/2013	10/28/2013	10/28/2013	10/29/2013	10/29/2013	10/30/2013	11/1/2013	10/29/2013	10/29/2013
		Criteria Level				Depth Interval (ft bgs)	0- 2	0- 2	2- 4	8- 10	24- 26	0- 2	2- 4	6- 8	2- 4	0- 2	2- 4
Analytical Method	Chemical Name[1]	LBSV	GDCSS-R	GDCSS-CW	GDCSS-CI	Unit											
VOCs																	
EPA 8260	1,2,4-Trimethylbenzene	-	85	35	120	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0048 U	0.0044 U	0.004 U	**39.8** [c]	0.0038 U	0.0054 U	0.0046 U	0.0052
EPA 8260	1,3,5-Trimethylbenzene	-	69	200	95	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0048 U	0.0044 U	0.004 U	16.8	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	2-Butanone (MEK)	1.8	37000	15000	100000	mg/kg	0.03 U	0.025 U	0.026 U	0.024 U	0.022 U	0.02 U	0.027 U	0.019 U	0.027 U	0.023 U	0.021 U
EPA 8260	2-Chlorotoluene	-	-	-	-	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0048 U	0.0044 U	0.004 U	0.0054 U	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	4-Chlorotoluene	-	-	-	-	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0048 U	0.0044 U	0.004 U	0.0054 U	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	Acetone	-	64000	100000	100000	mg/kg	0.12 U	0.1 U	0.1 U	0.095 U	0.087 U	0.079 U	0.11 U	0.077 U	0.11 U	0.091 U	0.083 U
EPA 8260	Benzene	0.149	64	150	140	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0011 J	0.0044 U	0.004 U	0.011	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	Carbon disulfide	-	1400	190	1400	mg/kg	0.012 U	0.01 U	0.01 U	0.0095 U	0.0087 U	0.0079 U	0.011 U	0.0077 U	0.011 U	0.0091 U	0.0083 U
EPA 8260	Chloroethane	-	2200	2200	2200	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0048 U	0.0044 U	0.004 U	0.0054 U	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	Ethylbenzene	45.5	230	230	230	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0048 U	0.0044 U	0.004 U	2.1	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	Isopropylbenzene (Cumene)	-	260	260	260	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0048 U	0.0044 U	0.004 U	0.079	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	Methylene Chloride	-	250	1500	570	mg/kg	0.024 U	0.02 U	0.021 U	0.019 U	0.017 U	0.016 U	0.021 U	0.015 U	0.022 U	0.018 U	0.017 U
EPA 8260	n-Butylbenzene	-	-	-	-	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0048 U	0.0044 U	0.004 U	0.0054 U	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	n-Hexane	121	190	190	190	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0048 U	0.0044 U	0.004 U	0.0055	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	n-Propylbenzene	-	-	-	-	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0048 U	0.0044 U	0.004 U	0.3	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	p-Isopropyltoluene	-	-	-	-	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0048 U	0.0044 U	0.004 U	0.11	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	sec-Butylbenzene	-	-	-	-	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0048 U	0.0044 U	0.004 U	0.075	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	Styrene	0.46	1700	1700	1700	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0048 U	0.0044 U	0.004 U	0.0054 U	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	Tetrachloroethene	0.15	17	220	53	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0048 U	0.0044 U	0.004 U	0.0064	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	Toluene	49.1	520	520	520	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.066	0.0044 U	0.0037 J	0.03	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	Trichloroethene	0.036	65	560	150	mg/kg	0.0061 U	0.0051 U	0.0051 U	0.0048 U	0.0044 U	0.004 U	0.0054 U	0.0038 U	0.0054 U	0.0046 U	0.0042 U
EPA 8260	Xylene (Total)	469	370	370	370	mg/kg	0.012 U	0.01 U	0.01 U	0.0095 U	0.0087 U	0.0079 U	31.5	0.0077 U	0.011 U	0.0091 U	0.0083 U
SVOCs																	
EPA 8270	2-Methylnaphthalene	-	-	-	-	µg/kg	1040	532	199 J	227 J	377 U	-	9430	684	3990 U	3990 U	433
EPA 8270	Acenaphthene	-	3500000	440000000	56000000	µg/kg	3870	1440	374 U	353 U	377 U	338 U	1910 U	501	3990 U	3990 U	1020
EPA 8270	Acenaphthylene	-	-	-	-	µg/kg	383 U	386 U	374 U	353 U	377 U	338 U	1910 U	554	3990 U	3990 U	398 U
EPA 8270	Anthracene	-	18000000	1000000000	280000000	µg/kg	11900	3770	245 J	195 J	377 U	480	1910 U	1780	2660 J	2270 J	1980
EPA 8270	Benzo(a)anthracene	22200	11000	680000	76000	µg/kg	**16800** [a]	5860	685	456	245 J	661	1910 U	4810	7100	4620	2750
EPA 8270	Benzo(a)pyrene	50600	1100	69000	7700	µg/kg	**13200** [a,b]	**4680** [a]	678	358	222	558	983 U	**4090** [a]	**7070** [a]	**4220** [a]	**2440** [a]
EPA 8270	Benzo(b)fluoranthene	55300	11000	690000	77000	µg/kg	**15700** [a]	5860	926	519	280 J	685	1910 U	5700	9930	5380	3040
EPA 8270	Benzo(g,h,i)perylene	-	-	-	-	µg/kg	6560	2700	431	305 J	377 U	300 J	1910 U	2400	4550	2570 J	1430
EPA 8270	Benzo(k)fluoranthene	501000	110000	6900000	770000	µg/kg	3490	2250	283 J	225 J	377 U	290 J	1910 U	2010	2880 J	2440 J	1590
EPA 8270	bis(2-Ethylhexyl)phthalate	-	190000	190000	190000	µg/kg	383 U	386 U	374 U	353 U	377 U	338 U	1030 J	362 U	3990 U	3990 U	398 U
EPA 8270	Butylbenzylphthalate	-	58000	58000	58000	µg/kg	383 U	386 U	374 U	353 U	377 U	338 U	1910 U	362 U	3990 U	3990 U	398 U
EPA 8270	Chrysene	4410000	1100000	69000000	7600000	µg/kg	17000	5840	760	514	259 J	703	1910 U	4610	6970	5150	2900
EPA 8270	Dibenz(a,h)anthracene	94000	1100	69000	7700	µg/kg	**2700** [a]	945	193 U	182 U	194 U	174 U	983 U	187 U	2050 U	2060 U	419
EPA 8270	Dibenzofuran	-	-	-	-	µg/kg	3710	1470	374 U	353 U	377 U	188 J	1910 U	498	3990 U	3990 U	824
EPA 8270	Fluoranthene	-	2400000	290000000	37000000	µg/kg	34800	12100	1440	970	628	1710	1920	14700	17600	13400	4280
EPA 8270	Fluorene	-	2400000	290000000	37000000	µg/kg	5210	1980	374 U	353 U	377 U	206 J	1910 U	580	3990 U	3990 U	1120
EPA 8270	Indeno(1,2,3-cd)pyrene	244000	11000	690000	77000	µg/kg	7500	3100	442	300 J	377 U	337 J	1910 U	2300	3940 J	2850 J	1610
EPA 8270	Naphthalene	39800	69000	84000	150000	µg/kg	2110	1040	213 J	237 J	377 U	174 J	7510	605	3990 U	3990 U	784
EPA 8270	Phenanthrene	-	-	-	-	µg/kg	35800	12600	989	1130	620	1710	1880 J	10300	11500	11100	6170
EPA 8270	Pyrene	-	1800000	220000000	28000000	µg/kg	28200	9600	1270	869	492	1330	1580 J	12300	14100	10700	5300
TPHs																	
EPA 8015 Mod Ex	Total Petroleum Hydrocarbons	-	-	-	-	mg/kg	751	709	89.8	75.6	5.8 J	55.4	2560	305	973	185	253
EPA 8015 Mod Ex	TPH (C10-C20)	-	2000	2000	2000	mg/kg	178 J	192	25.9 J	22.8 J	11.4 U	9.5 J	449	62.4 J	176	25.5 J	120 U
EPA 8015 Mod Ex	TPH (C20-C34)	-	5000	5000	5000	mg/kg	573 J	517	63.9 J	52.8 J	11.4 U	45.9 J	2110	243	798	159 J	205
EPA 8015 Mod Pu	TPH (C06-C12)	-	1000	1000	1000	mg/kg	0.97 U	1 U	1.3 U	0.91 U	0.83 U	0.88 U	398	0.78 U	0.95 U	0.94 U	0.84 U
Metals																	
EPA 6010	Aluminum	-	-	-	-	mg/kg	11100	10100	11200	7160	5300	5570	10200	8220	11600	12900	12500
EPA 6010	Antimony	3.6	30	390	1200	mg/kg	**6.6** [d]	**16.6** [d]	1 J	1.9 U	2 U	**4.6 J** [d]	3.1	2.1 U	2.2 U	2.4 U	2.2 U
EPA 6010	Arsenic	3	6.7	420	82	mg/kg	**28.1** [a,d]	**18.2** [a,d]	**16.5** [a,d]	**11.7** [a,d]	**9.1** [a,d]	**12.6** [a,d]	**13.6** [a,d]	**14.6** [a,d]	**21.7** [a,d]	**20.1** [a,d]	**19.6** [a,d]
EPA 6010	Barium	56000	15000	120000	370000	mg/kg	559	357	228	275	78.6	85.9 J	598	292	490	103	78
EPA 6010	Beryllium	57	150	3100	5100	mg/kg	1.6	1.2	1.2	0.63	0.4 J	0.37 J	0.53	0.73	0.85	0.93	0.88
EPA 6010	Cadmium	21	72	1600	2300	mg/kg	2.1 J	1.6 J	1.1 J	0.64 J	2 U	1.9 U	12.9	2.1 U	0.95 J	2.4 U	2.2 U
EPA 6010	Chromium	56	-	-	-	mg/kg	28.8	18.9	16.1	10.1	8.5	8.2	43.7	11.9	31.6	20.8	24.1
EPA 6010	Cobalt	-	1400	4000	23000	mg/kg	8.1	5.1	6	6.9	5.2	4.8	5.8	6.3	11.3	17.6	14.6
EPA 6010	Copper	-	-	-	-	mg/kg	199	155	58.5	38.9	23.2	29.8	254	50.1	51.3	49.2	47.9
EPA 6010	Lead	89	400	750	1800	mg/kg	**931** [a,c,d]	**721** [a,d]	**344** [d]	**204** [d]	**115** [d]	**159 J** [d]	**914** [a,c,d]	**318** [d]	**111** [d]	**468** [a,d]	**592** [a,d]
EPA 6010	Nickel	182	1500	21000	44000	mg/kg	24.6	21.2	18.5	17.1	17.9	14	74.4	18.4	27.9	27.9	30.8
EPA 6010	Silver	3120	380	9700	15000	mg/kg	3.3	6.1	2 U	1.9 U	2 U	1.9 U	2.2 U	2.1 U	2.2 U	2.4 U	2.2 U
EPA 6010	Thallium	1.5	6.1	1600	230	mg/kg	2.2 U	2.1 U	2 U	1.9 U	2 U	1.9 U	2.2 U	2.1 U	2.2 U	2.4 U	2.2 U
EPA 6010	Vanadium	130	680	17000	26000	mg/kg	22.7	17.3	20.5	16.6	13	13.4	14.4	17.7	22.4	23.1	24
EPA 6010	Zinc	44000	23000	580000	880000	mg/kg	531	431	320	218	99.2	93.9 J	2130	217	421	176	117
EPA 7471	Mercury	12	7.6	190	290	mg/kg	1.5	2.8	1.7	0.34	0.24 U	0.21 J	0.32	0.41	1.9	0.29	0.75
PCBs																	
EPA 8082	PCB-1254 (Aroclor 1254)	-	-	-	-	µg/kg	115 U	118 U	113 U	107 U	114 U	103 U	573 U	109 U	121 U	598 U	516 J
EPA 8082	PCB-1260 (Aroclor 1260)	-	-	-	-	µg/kg	115 U	118 U	113 U	147	114 U	103 U	573 U	109 U	121 U	598 U	599 U
EPA 8082	Total PCBs[2]		1200	18000	42000	µg/kg	115 U	118 U	113 U	147	114 U	103 U	573 U	109 U	121 U	598 U	516 J
Miscellaneous Analyses																	
EPA 9045	pH at 25°C	-	-	-	-	Standard Units	-	-	7.6	-	-	-	7.5	-	-	-	7.5
ASTM D2974	Fractional Organic Carbon	-	-	-	-	w/w %	5.12	8.57	-	-	-	3.03 J	-	-	-	6.22 J	-
ASTM D2974-87	Percent Moisture	-	-	-	-	%	13.8	15.3	12.1	7.4	13.1	3.4	13.8	8.8	17.8	17.6	17.1
Dry Weight Mois	Dry Weight Moisture	-	-	-	-	%	15.2	16.4	-	-	-	4.7	-	-	-	19.2	-

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Table 2
Soil Analytical Results
Former Fulton Auto Wrecking Property
Cleveland, Cuyahoga County, Ohio

						Location ID	FAW-MW03	FAW-SB01	FAW-SB01	FAW-SB01	FAW-SB01	FAW-SB02	FAW-SB02	FAW-SB02	FAW-SB02	FAW-SB02	FAW-SB03
						Field Sample ID	FAW-MW03(4-6)-102913	FAW-SB01(0-2)102813	FAW-SB01(2-4)102813	FAW-SB01(8-10)102813	FAW-SB01(23-25)102814	FAW-SB02(0-2)-103013	FAW-SB02(0-2)-103013D	FAW-SB02(2-4)-103013	FAW-SB02(8-10)-103013	FAW-SB02(27-29)-103013	FAW-SB03(0-2)-103113
						Sample Date	10/29/2013	10/28/2013	10/28/2013	10/28/2013	10/28/2013	10/30/2013	10/30/2013	10/30/2013	10/30/2013	10/30/2013	10/31/2013
		Criteria Level				Depth Interval (ft bgs)	4- 6	0- 2	2- 4	8- 10	23- 25	0- 2	0- 2	2- 4	8- 10	27- 29	0- 2
Analytical Method	Chemical Name[1]	LBSV	GDCSS-R	GDCSS-CW	GDCSS-CI	Unit											
VOCs																	
EPA 8260	1,2,4-Trimethylbenzene	-	85	35	120	mg/kg	1.8	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	1,3,5-Trimethylbenzene	-	69	200	95	mg/kg	0.14	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	2-Butanone (MEK)	1.8	37000	15000	100000	mg/kg	0.023 U	0.025 U	0.022	0.02 U	0.022 U	0.028 U	0.023 U	0.023 U	0.03 U	0.023 U	0.027 U
EPA 8260	2-Chlorotoluene	-	-	-	-	mg/kg	0.0046 U	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	4-Chlorotoluene	-	-	-	-	mg/kg	0.0046 U	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	Acetone	-	64000	100000	100000	mg/kg	0.085 J	0.098 U	0.17	0.081 U	0.09 U	0.11 U	0.092 U	0.092 U	0.12 U	0.091 U	0.11 U
EPA 8260	Benzene	0.149	64	150	140	mg/kg	0.012	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	Carbon disulfide	-	1400	190	1400	mg/kg	0.0092 U	0.0098 U	0.004 J	0.0081 U	0.009 U	0.011 U	0.0092 U	0.0092 U	0.012 U	0.0091 U	0.011 U
EPA 8260	Chloroethane	-	2200	2200	2200	mg/kg	0.0046 U	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	Ethylbenzene	45.5	230	230	230	mg/kg	0.06	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	Isopropylbenzene (Cumene)	-	260	260	260	mg/kg	0.0086	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	Methylene Chloride	-	250	1500	570	mg/kg	0.018 U	0.02 U	0.018 U	0.016 U	0.018 U	0.022 U	0.018 U	0.018 U	0.024 U	0.018 U	0.021 U
EPA 8260	n-Butylbenzene	-	-	-	-	mg/kg	0.0046 U	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	n-Hexane	121	190	190	190	mg/kg	0.007	0.0049 U	0.027	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	n-Propylbenzene	-	-	-	-	mg/kg	0.035	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	p-Isopropyltoluene	-	-	-	-	mg/kg	0.0061	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	sec-Butylbenzene	-	-	-	-	mg/kg	0.0051	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	Styrene	0.46	1700	1700	1700	mg/kg	0.0046 U	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	Tetrachloroethene	0.15	17	220	53	mg/kg	0.0046 U	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	Toluene	49.1	520	520	520	mg/kg	0.1	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	Trichloroethene	0.036	65	560	150	mg/kg	0.0046 U	0.0049 U	0.0045 U	0.004 U	0.0045 U	0.0056 U	0.0046 U	0.0046 U	0.0061 U	0.0046 U	0.0054 U
EPA 8260	Xylene (Total)	469	370	370	370	mg/kg	0.46	0.0098 U	0.0089 U	0.0081 U	0.009 U	0.011 U	0.0092 U	0.0092 U	0.012 U	0.0091 U	0.011 U
SVOCs																	
EPA 8270	2-Methylnaphthalene	-	-	-	-	µg/kg	3380 J	366 U	367 U	371 U	350 U	1160	1200	396 U	1190	395 U	3780 U
EPA 8270	Acenaphthene	-	3500000	440000000	56000000	µg/kg	21300	274 J	367 U	371 U	350 U	389 U	293 J	396 U	378 U	395 U	3780 U
EPA 8270	Acenaphthylene	-	-	-	-	µg/kg	3800 U	366 U	367 U	371 U	350 U	389 U	389 U	396 U	378 U	395 U	3780 U
EPA 8270	Anthracene	-	18000000	1000000000	2800000000	µg/kg	40000	563	367 U	371 U	350 U	389 U	561	396 U	378 U	395 U	3780 U
EPA 8270	Benzo(a)anthracene	22200	11000	680000	76000	µg/kg	**67600** [a,d]	1740	367 U	371 U	350 U	389 U	1150	396 U	331 J	395 U	3780 U
EPA 8270	Benzo(a)pyrene	50600	1100	69000	7700	µg/kg	**58300** [a,b,d]	**1650** [a]	189 U	191 U	180 U	201 U	804	204 U	259	203 U	1950 U
EPA 8270	Benzo(b)fluoranthene	55300	11000	690000	77000	µg/kg	**74100** [a,d]	2410	367 U	371 U	350 U	389 U	1230	396 U	302 J	395 U	2370 J
EPA 8270	Benzo(g,h,i)perylene	-	-	-	-	µg/kg	37100	1100	367 U	371 U	350 U	389 U	506	396 U	378 U	395 U	3780 U
EPA 8270	Benzo(k)fluoranthene	501000	110000	6900000	770000	µg/kg	24800	804	367 U	371 U	350 U	389 U	348 J	396 U	250 J	395 U	3780 U
EPA 8270	bis(2-Ethylhexyl)phthalate	-	190000	190000	190000	µg/kg	3800 U	43500	367 U	371 U	350 U	389 U	389 U	396 U	378 U	395 U	5070
EPA 8270	Butylbenzylphthalate	-	58000	58000	58000	µg/kg	3800 U	18500	367 U	371 U	350 U	389 U	389 U	396 U	378 U	395 U	16100
EPA 8270	Chrysene	4410000	1100000	69000000	7600000	µg/kg	65400	1880	367 U	371 U	350 U	389 U	1150	396 U	325 J	395 U	2120 J
EPA 8270	Dibenz(a,h)anthracene	94000	1100	69000	7700	µg/kg	**10700** [a,b]	309	189 U	191 U	180 U	201 U	200 U	204 U	195 U	203 U	1950 U
EPA 8270	Dibenzofuran	-	-	-	-	µg/kg	13600	366 U	367 U	371 U	350 U	311 J	464	396 U	234 J	395 U	3780 U
EPA 8270	Fluoranthene	-	2400000	290000000	37000000	µg/kg	176000	4350	367 U	371 U	350 U	206 J	2580	396 U	651	395 U	4950
EPA 8270	Fluorene	-	2400000	290000000	37000000	µg/kg	22300	286 J	367 U	371 U	350 U	389 U	281 J	396 U	378 U	395 U	3780 U
EPA 8270	Indeno(1,2,3-cd)pyrene	244000	11000	690000	77000	µg/kg	**41000** [a]	1160	367 U	371 U	350 U	389 U	487	396 U	378 U	395 U	3780 U
EPA 8270	Naphthalene	39800	69000	84000	150000	µg/kg	6170	366 U	367 U	371 U	350 U	953	898	396 U	880	395 U	3780 U
EPA 8270	Phenanthrene	-	-	-	-	µg/kg	158000	2610	367 U	371 U	350 U	537	3080	396 U	946	395 U	3840
EPA 8270	Pyrene	-	1800000	220000000	28000000	µg/kg	137000	3590	367 U	371 U	350 U	389 U	1900	396 U	581	395 U	3890
TPHs																	
EPA 8015 Mod Ex	Total Petroleum Hydrocarbons	-	-	-	-	mg/kg	2370	97.4	34.4 J	22.7 U	20.9 U	125	136	7.8 J	65.5	24.3 U	727
EPA 8015 Mod Ex	TPH (C10-C20)	-	2000	2000	2000	mg/kg	565	19	6.6 J	11.3 U	10.5 U	34.3 J	36.6 J	12 U	26	12.1 U	116 UJ
EPA 8015 Mod Ex	TPH (C20-C34)	-	5000	5000	5000	mg/kg	1810	78.4	27.8 J	11.3 U	10.5 U	90.8	99.2	12 U	39.6	12.1 U	685
EPA 8015 Mod Pu	TPH (C06-C12)	-	1000	1000	1000	mg/kg	0.8 U	0.91 U	0.9 U	0.78 U	0.91 U	0.85 U	0.85 U	0.87 U	1.1 U	1.1 U	1 U
Metals																	
EPA 6010	Aluminum	-	-	-	-	mg/kg	10500	9840	7650	6430	4750	7300	9400	6210	8250	3430	10000
EPA 6010	Antimony	3.6	30	390	1200	mg/kg	1.9 U	2.1 U	1.7 J	2.2 U	2 U	2.3 U	2.2 U	2.1 UJ	2.3 U	2.3 U	**14** [d]
EPA 6010	Arsenic	3	6.7	420	82	mg/kg	**13.9** [a,d]	**39.5** [a,d]	**10.8** [a,d]	**11.1** [a,d]	**10.3** [a,d]	**19.2** [a,d]	**14.8** [a,d]	**30 J** [a,d]	**14.9** [a,d]	**8** [a,d]	**20.7** [a,d]
EPA 6010	Barium	56000	15000	120000	370000	mg/kg	82.8	279	87	21.3	14.8	118	101	24.8	77.3	13.5	632
EPA 6010	Beryllium	57	150	3100	5100	mg/kg	0.71	0.62	0.41 J	0.37 J	0.28 J	1.1	1	0.31 J	1.3	0.58 U	0.85
EPA 6010	Cadmium	21	72	1600	2300	mg/kg	0.52 J	0.76 J	0.67 J	2.2 U	2 U	1.2 J	1.4 J	2.1 U	2.3 U	2.3 U	**25.3** [d]
EPA 6010	Chromium	56	-	-	-	mg/kg	17.6	21.5	25.3	9.1	7.3	8.8	11.5	9	8.8	5.4	47.8
EPA 6010	Cobalt	-	1400	4000	23000	mg/kg	11.8	3.2	1.3 J	6.7	5.5	6.8	6.7	8.8	5.7	4.4	9.2
EPA 6010	Copper	-	-	-	-	mg/kg	43.9	32.4	86.5	19.3	17.3	121	93.1	20.1	30.7	11.2	396
EPA 6010	Lead	89	400	750	1800	mg/kg	**238** [d]	56.8	**100** [d]	7.2	6.3	**91.7** [d]	**96.8** [d]	13.4	58.6	5.5	**1260** [a,c,d]
EPA 6010	Nickel	182	1500	21000	44000	mg/kg	26.7	12	10.2	18.9	17.3	23.5	24.4	20.5	17	12	151
EPA 6010	Silver	3120	380	9700	15000	mg/kg	1.9 U	2.1 U	1.9 U	2.2 U	2 U	2.3 U	2.2 U	2.1 U	2.3 U	2.3 U	2.1 U
EPA 6010	Thallium	1.5	6.1	1600	230	mg/kg	1.9 U	**3** [d]	1 J	2.2 U	2 U	2.3 U	2.2 U	2.1 U	2.3 U	2.3 U	10.7 U
EPA 6010	Vanadium	130	680	17000	26000	mg/kg	19.4	25.5	18.8	16.4	11.7	15	16.1	17.5	21.8	9.9	18.2
EPA 6010	Zinc	44000	23000	580000	880000	mg/kg	133	179	59.9	56.9	50.7	106	137	51.7	61.5	37.7	7140
EPA 7471	Mercury	12	7.6	190	290	mg/kg	0.54	0.44	0.23 U	0.24 U	0.21 U	0.24 U	0.25 U	0.23 U	0.23 U	0.23 U	0.23 U
PCBs																	
EPA 8082	PCB-1254 (Aroclor 1254)	-	-	-	-	µg/kg	579 U	110 U	111 U	113 U	105 U	1180 U	1160 U	119 U	115 U	120 U	115 U
EPA 8082	PCB-1260 (Aroclor 1260)	-	-	-	-	µg/kg	579 U	110 U	111 U	113 U	105 U	1180 U	1160 U	119 U	115 U	120 U	205
EPA 8082	Total PCBs[2]		1200	18000	42000	µg/kg	579 U	110 U	111 U	113 U	105 U	1180 U	1160 U	119 U	115 U	120 U	205
Miscellaneous Analyses																	
EPA 9045	pH at 25°C	-	-	-	-	Standard Units	-	-	5.5	-	-	8.2	-	-	-	-	8
ASTM D2974	Fractional Organic Carbon	-	-	-	-	w/w %	-	3.75	-	-	-	-	-	2.35	-	-	-
ASTM D2974-87	Percent Moisture	-	-	-	-	%	14	9.9	10.2	11.8	5.7	15.5	15.2	16.6	13.1	17.5	14
Dry Weight Mois	Dry Weight Moisture	-	-	-	-	%	-	9.3	-	-	-	-	-	-	-	-	-

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Table 2
Soil Analytical Results
Former Fulton Auto Wrecking Property
Cleveland, Cuyahoga County, Ohio

						Location ID	FAW-SB03	FAW-SB03	FAW-SB04	FAW-SB04	FAW-SB04	FAW-SB05	FAW-SB05	FAW-SB05	FAW-SB06	FAW-SB06	FAW-SB06
						Field Sample ID	FAW-SB03(2-4)-103113	FAW-SB03(4-6)-103113	FAW-SB04(0-2)-103113	FAW-SB04(2-4)-103113	FAW-SB04(8-10)-103113	FAW-SB05(0-2)-103113	FAW-SB05(2-4)-103113	FAW-SB05(6-8)-103113	FAW-SB06(0-2)-103013	FAW-SB06(2-4)-103013	FAW-SB06(8-10)-103013
						Sample Date	10/31/2013	10/31/2013	10/31/2013	10/31/2013	10/31/2013	10/31/2013	10/31/2013	10/31/2013	10/30/2013	10/30/2013	10/30/2013
		Criteria Level				Depth Interval (ft bgs)	2- 4	4- 6	0- 2	2- 4	8- 10	0- 2	2- 4	6- 8	0- 2	2- 4	8- 10
Analytical Method	Chemical Name[1]	LBSV	GDCSS-R	GDCSS-CW	GDCSS-CI	Unit											
VOCs																	
EPA 8260	1,2,4-Trimethylbenzene	-	85	35	120	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0065	0.0046 U	0.017	-
EPA 8260	1,3,5-Trimethylbenzene	-	69	200	95	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0026	0.0046 U	0.01	-
EPA 8260	2-Butanone (MEK)	1.8	37000	15000	100000	mg/kg	0.026 U	0.023 U	-	-	-	-	-	0.013 U	0.023 U	0.025 U	-
EPA 8260	2-Chlorotoluene	-	-	-	-	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0026 U	0.0046 U	0.0049 U	-
EPA 8260	4-Chlorotoluene	-	-	-	-	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0026 U	0.0046 U	0.0049 U	-
EPA 8260	Acetone	-	64000	100000	100000	mg/kg	0.11 U	0.091 U	-	-	-	-	-	0.052 U	0.092 U	0.098 U	-
EPA 8260	Benzene	0.149	64	150	140	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0026 U	0.0046 U	0.0049 U	-
EPA 8260	Carbon disulfide	-	1400	190	1400	mg/kg	0.011 U	0.0091 U	-	-	-	-	-	0.0052 U	0.0092 U	0.0098 U	-
EPA 8260	Chloroethane	-	2200	2200	2200	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0026 U	0.0046 U	0.0049 U	-
EPA 8260	Ethylbenzene	45.5	230	230	230	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0026 U	0.0046 U	0.0049 U	-
EPA 8260	Isopropylbenzene (Cumene)	-	260	260	260	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0026 U	0.0046 U	0.0049 U	-
EPA 8260	Methylene Chloride	-	250	1500	570	mg/kg	0.013 J	0.018 U	-	-	-	-	-	0.01 U	0.018 U	0.02 U	-
EPA 8260	n-Butylbenzene	-	-	-	-	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0026 U	0.0046 U	0.0049 U	-
EPA 8260	n-Hexane	121	190	190	190	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0026 U	0.0046 U	0.0049 U	-
EPA 8260	n-Propylbenzene	-	-	-	-	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0026 U	0.0046 U	0.0049 U	-
EPA 8260	p-Isopropyltoluene	-	-	-	-	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0026 U	0.0046 U	0.0049 U	-
EPA 8260	sec-Butylbenzene	-	-	-	-	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0026 U	0.0046 U	0.0049 U	-
EPA 8260	Styrene	0.46	1700	1700	1700	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0026 U	0.0046 U	0.0049 U	-
EPA 8260	Tetrachloroethene	0.15	17	220	53	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0026 U	0.0046 U	0.0049 U	-
EPA 8260	Toluene	49.1	520	520	520	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	0.0026 U	0.0046 U	0.0031 J	-
EPA 8260	Trichloroethene	0.036	65	560	150	mg/kg	0.0053 U	0.0045 U	-	-	-	-	-	**0.045** [d]	0.0046 U	0.0049 U	-
EPA 8260	Xylene (Total)	469	370	370	370	mg/kg	0.011 U	0.0091 U	-	-	-	-	-	0.0052 U	0.0092 U	0.0098 U	-
SVOCs																	
EPA 8270	2-Methylnaphthalene	-	-	-	-	µg/kg	3660 U	3650 U	370 U	356 U	2180 J	18500 U	3920 U	3650 U	4050 U	3770 U	3880 U
EPA 8270	Acenaphthene	-	3500000	440000000	56000000	µg/kg	3660 U	3650 U	370 U	356 U	4790	18500 U	3920 U	3650 U	4050 U	3770 U	3880 U
EPA 8270	Acenaphthylene	-	-	-	-	µg/kg	3660 U	3650 U	370 U	356 U	3560 U	18500 U	3920 U	3650 U	4050 U	3770 U	3880 U
EPA 8270	Anthracene	-	18000000	1000000000	2800000000	µg/kg	3660 U	3650 U	370 U	356 U	9330	18500 U	3920 U	3650 U	4940	3770 U	3880 U
EPA 8270	Benzo(a)anthracene	22200	11000	680000	76000	µg/kg	3660 U	2140 J	233 J	356 U	9700	18500 U	3920 U	3540 J	**11800** [a]	3770 U	3880 U
EPA 8270	Benzo(a)pyrene	50600	1100	69000	7700	µg/kg	1890 U	1880 U	191 U	184 U	**8350** [a,b]	9520 U	2020 U	**2840** [a]	**11700** [a,b]	1940 U	2000 U
EPA 8270	Benzo(b)fluoranthene	55300	11000	690000	77000	µg/kg	3660 U	3060 J	416	356 U	9340	18500 U	3920 U	4870	**15000** [a]	3770 U	2150 J
EPA 8270	Benzo(g,h,i)perylene	-	-	-	-	µg/kg	3660 U	3650 U	186 J	356 U	4990	18500 U	3920 U	3650 U	7450	3770 U	3880 U
EPA 8270	Benzo(k)fluoranthene	501000	110000	6900000	770000	µg/kg	3660 U	2760 J	397	356 U	4150	18500 U	3920 U	4380	6070	3770 U	3880 U
EPA 8270	bis(2-Ethylhexyl)phthalate	-	190000	190000	190000	µg/kg	3660 U	3650 U	370 U	356 U	3560 U	18500 U	13500	3650 U	4050 U	3770 U	3880 U
EPA 8270	Butylbenzylphthalate	-	58000	58000	58000	µg/kg	3660 U	3650 U	370 U	356 U	3560 U	18500 U	3920 U	3650 U	4050 U	3770 U	3880 U
EPA 8270	Chrysene	4410000	1100000	69000000	7600000	µg/kg	3660 U	2090 J	297 J	356 U	8090	18500 U	3920 U	3220 J	13000	3770 U	3880 U
EPA 8270	Dibenz(a,h)anthracene	94000	1100	69000	7700	µg/kg	1890 U	1880 U	191 U	184 U	1840 U	9520 U	2020 U	1880 U	2090 U	1940 U	2000 U
EPA 8270	Dibenzofuran	-	-	-	-	µg/kg	3660 U	3650 U	370 U	356 U	4440	18500 U	3920 U	3650 U	4050 U	3770 U	3880 U
EPA 8270	Fluoranthene	-	2400000	290000000	37000000	µg/kg	3660 U	5520	428	356 U	23700	18500 U	3920 U	6850	31000	3770 U	4310
EPA 8270	Fluorene	-	2400000	290000000	37000000	µg/kg	3660 U	3650 U	370 U	356 U	5160	18500 U	3920 U	3650 U	2170 J	3770 U	3880 U
EPA 8270	Indeno(1,2,3-cd)pyrene	244000	11000	690000	77000	µg/kg	3660 U	3650 U	186 J	356 U	4450	18500 U	3920 U	3650 U	8510	3770 U	3880 U
EPA 8270	Naphthalene	39800	69000	84000	150000	µg/kg	3660 U	3650 U	370 U	356 U	5450	18500 U	3920 U	3650 U	4050 U	3770 U	3880 U
EPA 8270	Phenanthrene	-	-	-	-	µg/kg	3660 U	6120	280 J	356 U	32500	18500 U	3920 U	5930	19800	3770 U	3000 J
EPA 8270	Pyrene	-	1800000	220000000	28000000	µg/kg	3660 U	4410	376	356 U	18200	18500 U	3920 U	5280	24500	3770 U	3390 J
TPHs																	
EPA 8015 Mod Ex	Total Petroleum Hydrocarbons	-	-	-	-	mg/kg	330	79.6 J	489	12 J	202 J	230	503	1070	785	1220	353
EPA 8015 Mod Ex	TPH (C10-C20)	-	2000	2000	2000	mg/kg	60.9	20.4 J	111 U	10.9 U	61.6 J	113 U	118 U	152	62.8 J	99.8 J	117 U
EPA 8015 Mod Ex	TPH (C20-C34)	-	5000	5000	5000	mg/kg	269	59.2 J	456	10.8 J	140	224	488	915	722	1120	321
EPA 8015 Mod Pu	TPH (C06-C12)	-	1000	1000	1000	mg/kg	0.98 U	0.85 U	-	-	-	-	-	0.94 U	0.92 U	1 U	-
Metals																	
EPA 6010	Aluminum	-	-	-	-	mg/kg	7360	8220	9950	8850	7350	6140	9030	7300	12900	11600	7360
EPA 6010	Antimony	3.6	30	390	1200	mg/kg	**7.9** [d]	2 U	**9.2 J** [d]	1.9 U	1.9 U	2.9	2.3 U	**3.7**	2.4 U	**7.2** [d]	2 U
EPA 6010	Arsenic	3	6.7	420	82	mg/kg	**15.5** [a,d]	**11.3** [a,d]	**13.6** [a,d]	**8.6** [a,d]	**8.7** [a,d]	**97** [a,b,d]	**107** [a,b,d]	**10.5** [a,d]	**14.6** [a,d]	**22.1** [a,d]	**13** [a,d]
EPA 6010	Barium	56000	15000	120000	370000	mg/kg	467	60.6	942	51.8	48.9	55.7	128	201	724	591	346
EPA 6010	Beryllium	57	150	3100	5100	mg/kg	1.1	0.48 J	0.81	0.39 J	0.58	0.48 J	0.53 J	0.39 J	0.9	0.87	0.48 J
EPA 6010	Cadmium	21	72	1600	2300	mg/kg	3.8	2 U	6	1.9 U	1.9 U	2.1	3.1	1.9 J	0.89 J	**34.6** [d]	4.6
EPA 6010	Chromium	56	-	-	-	mg/kg	16	10.6	26.8	12.1	11.2	**66.9** [d]	**284** [d]	15.1	19.5	48.2	16.3
EPA 6010	Cobalt	-	1400	4000	23000	mg/kg	7.7	6.8	7.7	6	6.1	4.8	7.5	5.5	11	8.2	5.2
EPA 6010	Copper	-	-	-	-	mg/kg	164	22.2	794	20.3	26.9	47.3	198	63.9	44	390	92.7
EPA 6010	Lead	89	400	750	1800	mg/kg	**764** [a,c,d]	55.7	**2520** [a,b,c,d]	71.8	82.8	**134** [d]	**290** [d]	**212** [d]	**97.5** [d]	**1370** [a,c,d]	**270** [d]
EPA 6010	Nickel	182	1500	21000	44000	mg/kg	40.5	19.6	47.7 J	16.9	16.8	26.9	30.2	20.7	29.5	124	18.1
EPA 6010	Silver	3120	380	9700	15000	mg/kg	2.2 U	2 U	2.1 U	1.9 U	1.9 U	1.9 U	2.3 U	2.1 U	2.4 U	2.2 U	1.1 J
EPA 6010	Thallium	1.5	6.1	1600	230	mg/kg	11 U	4 U	1.1 J	1.9 U	1.9 U	1.9 U	2.3 U	2.1 U	2.4 U	2.2 U	2 U
EPA 6010	Vanadium	130	680	17000	26000	mg/kg	19.3	19.7	20.4	18.3	18.1	72.1	94.5	16.8	21	16.8	18.8
EPA 6010	Zinc	44000	23000	580000	880000	mg/kg	1070	95.7	1660	78.9	77.8	341	729	524	463	3720	1200
EPA 7471	Mercury	12	7.6	190	290	mg/kg	0.32	0.34	0.49	0.21 J	0.23	0.24 U	0.23 U	0.23 U	1.3	0.47	0.39
PCBs																	
EPA 8082	PCB-1254 (Aroclor 1254)	-	-	-	-	µg/kg	110 U	112 U	112 U	108 U	108 U	1120 U	1190 U	110 U	124 U	1140 U	118 U
EPA 8082	PCB-1260 (Aroclor 1260)	-	-	-	-	µg/kg	110 U	112 U	112 U	108 U	108 U	1120 U	1190 U	205	81.8 J	973 J	118 U
EPA 8082	Total PCBs[2]		1200	18000	42000	µg/kg	110 U	112 U	112 U	108 U	108 U	1120 U	1190 U	205	81.8 J	973 J	118 U
Miscellaneous Analyses																	
EPA 9045	pH at 25°C	-	-	-	-	Standard Units	-	-	7.7	-	-	8.2	-	-	-	7.6	-
ASTM D2974	Fractional Organic Carbon	-	-	-	-	w/w %	7.98	-	-	1.76	-	-	-	6.25	8.29 J	-	-
ASTM D2974-87	Percent Moisture	-	-	-	-	%	10.5	10.6	10.8	8.6	8	11.6	16.4	10	19	12.6	15.3
Dry Weight Mois	Dry Weight Moisture	-	-	-	-	%	15	-	-	7.5	-	-	-	9.3	14.7	-	-

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Table 2
Soil Analytical Results
Former Fulton Auto Wrecking Property
Cleveland, Cuyahoga County, Ohio

						Location ID	FAW-SB07	FAW-SB07	FAW-SB07	FAW-SB08	FAW-SB08	FAW-SB08	FAW-SB09	FAW-SB09	FAW-SB09	FAW-SB09	FAW-SB10
						Field Sample ID	FAW-SB07(0-2)-103113	FAW-SB07(2-4)-103113	FAW-SB07(8-10)-103113	FAW-SB08(0-2)-110113	FAW-SB08(2-4)-110113	FAW-SB08(8-10)-110113	FAW-SB09(0-2)-110113	FAW-SB09(0-2)-110113D	FAW-SB09(2-4)-110113	FAW-SB09(8-10)-110113	FAW-SB10(0-2)-103113
						Sample Date	10/31/2013	10/31/2013	10/31/2013	11/1/2013	11/1/2013	11/1/2013	11/1/2013	11/1/2013	11/1/2013	11/1/2013	10/31/2013
		Criteria Level				Depth Interval (ft bgs)	0- 2	2- 4	8- 10	0- 2	2- 4	8- 10	0- 2	0- 2	2- 4	8- 10	0- 2
Analytical Method	**Chemical Name[1]**	**LBSV**	**GDCSS-R**	**GDCSS-CW**	**GDCSS-CI**	**Unit**											
VOCs																	
EPA 8260	1,2,4-Trimethylbenzene	-	85	35	120	mg/kg	-	-	-	-	-	0.026	-	-	-	-	0.0051 J
EPA 8260	1,3,5-Trimethylbenzene	-	69	200	95	mg/kg	-	-	-	-	-	0.014	-	-	-	-	0.006 U
EPA 8260	2-Butanone (MEK)	1.8	37000	15000	100000	mg/kg	-	-	-	-	-	0.028 U	-	-	-	-	0.03 U
EPA 8260	2-Chlorotoluene	-	-	-	-	mg/kg	-	-	-	-	-	0.044	-	-	-	-	0.006 U
EPA 8260	4-Chlorotoluene	-	-	-	-	mg/kg	-	-	-	-	-	0.011	-	-	-	-	0.006 U
EPA 8260	Acetone	-	64000	100000	100000	mg/kg	-	-	-	-	-	0.12	-	-	-	-	0.12 U
EPA 8260	Benzene	0.149	64	150	140	mg/kg	-	-	-	-	-	0.0032 J	-	-	-	-	0.006 U
EPA 8260	Carbon disulfide	-	1400	190	1400	mg/kg	-	-	-	-	-	0.011 U	-	-	-	-	0.012 U
EPA 8260	Chloroethane	-	2200	2200	2200	mg/kg	-	-	-	-	-	0.0055 U	-	-	-	-	0.006 U
EPA 8260	Ethylbenzene	45.5	230	230	230	mg/kg	-	-	-	-	-	0.0055 U	-	-	-	-	0.006 U
EPA 8260	Isopropylbenzene (Cumene)	-	260	260	260	mg/kg	-	-	-	-	-	0.0055 U	-	-	-	-	0.006 U
EPA 8260	Methylene Chloride	-	250	1500	570	mg/kg	-	-	-	-	-	0.022 U	-	-	-	-	0.024 U
EPA 8260	n-Butylbenzene	-	-	-	-	mg/kg	-	-	-	-	-	0.0055 U	-	-	-	-	0.006 U
EPA 8260	n-Hexane	121	190	190	190	mg/kg	-	-	-	-	-	0.0038 J	-	-	-	-	0.005 J
EPA 8260	n-Propylbenzene	-	-	-	-	mg/kg	-	-	-	-	-	0.0055 U	-	-	-	-	0.006 U
EPA 8260	p-Isopropyltoluene	-	-	-	-	mg/kg	-	-	-	-	-	0.0055 U	-	-	-	-	0.006 U
EPA 8260	sec-Butylbenzene	-	-	-	-	mg/kg	-	-	-	-	-	0.0055 U	-	-	-	-	0.006 U
EPA 8260	Styrene	0.46	1700	1700	1700	mg/kg	-	-	-	-	-	0.0055 U	-	-	-	-	0.006 U
EPA 8260	Tetrachloroethene	0.15	17	220	53	mg/kg	-	-	-	-	-	0.0055 U	-	-	-	-	0.006 U
EPA 8260	Toluene	49.1	520	520	520	mg/kg	-	-	-	-	-	0.0083	-	-	-	-	0.006 U
EPA 8260	Trichloroethene	0.036	65	560	150	mg/kg	-	-	-	-	-	0.0055 U	-	-	-	-	0.006 U
EPA 8260	Xylene (Total)	469	370	370	370	mg/kg	-	-	-	-	-	0.021	-	-	-	-	0.012 U
SVOCs																	
EPA 8270	2-Methylnaphthalene	-	-	-	-	µg/kg	3510 J	3950 U	352 U	3870 U	390 U	2030 U	3900 U	3920 U	3580 U	359 U	19500 U
EPA 8270	Acenaphthene	-	3500000	440000000	56000000	µg/kg	15300	3950 U	352 U	3870 U	390 U	2030 U	3900 U	3920 U	3580 U	359 U	19500 U
EPA 8270	Acenaphthylene	-	-	-	-	µg/kg	3960 U	3950 U	352 U	3870 U	390 U	2030 U	3900 U	3920 U	3580 U	359 U	19500 U
EPA 8270	Anthracene	-	18000000	1000000000	2800000000	µg/kg	40500	3950 U	229 J	3870 U	262 J	2030 U	2740 J	3920 U	3580 U	359 U	19500 U
EPA 8270	Benzo(a)anthracene	22200	11000	680000	76000	µg/kg	**54800** [a,b,d]	3950 U	464	3870 U	1070	2030 U	6980	2340 J	3580 U	359 U	19500 U
EPA 8270	Benzo(a)pyrene	50600	1100	69000	7700	µg/kg	**44400** [a]	2030 U	421	1990 U	1000	1050 U	**5860** [a]	**2160** [a]	1840 U	185 U	10000 U
EPA 8270	Benzo(b)fluoranthene	55300	11000	690000	77000	µg/kg	**59800** [a,d]	3950 U	529	3870 U	1520	2030 U	7390	2830 J	3580 U	359 U	19500 U
EPA 8270	Benzo(g,h,i)perylene	-	-	-	-	µg/kg	22800	3950 U	222 J	3870 U	584	2030 U	3170 J	3920 U	3580 U	359 U	19500 U
EPA 8270	Benzo(k)fluoranthene	501000	110000	6900000	770000	µg/kg	17100	3950 U	235 J	3870 U	443	2030 U	3310 J	3920 U	3580 U	359 U	19500 U
EPA 8270	bis(2-Ethylhexyl)phthalate	-	190000	190000	190000	µg/kg	3960 U	3950 U	352 U	3870 U	390 U	2030 U	3900 U	3920 U	4030	359 U	19500 U
EPA 8270	Butylbenzylphthalate	-	58000	58000	58000	µg/kg	3960 U	3950 U	352 U	3870 U	390 U	2030 U	3900 U	3920 U	3580 U	359 U	**330000** [a,b,c]
EPA 8270	Chrysene	4410000	1100000	69000000	7600000	µg/kg	46900	3950 U	440	3870 U	960	2030 U	7370	2350 J	3580 U	359 U	19500 U
EPA 8270	Dibenz(a,h)anthracene	94000	1100	69000	7700	µg/kg	**6760 J** [a]	2030 U	181 U	1990 U	201 U	1050 U	2010 U	2020 U	1840 U	185 U	10000 U
EPA 8270	Dibenzofuran	-	-	-	-	µg/kg	12400	3950 U	352 U	3870 U	390 U	2030 U	3900 U	3920 U	3580 U	359 U	19500 U
EPA 8270	Fluoranthene	-	2400000	290000000	37000000	µg/kg	152000	3950 U	943	1970 J	2170	2030 U	17100	5250	3580 U	359 U	9790 J
EPA 8270	Fluorene	-	2400000	290000000	37000000	µg/kg	19000	3950 U	352 U	3870 U	390 U	2030 U	3900 U	3920 U	3580 U	359 U	19500 U
EPA 8270	Indeno(1,2,3-cd)pyrene	244000	11000	690000	77000	µg/kg	**21600** [a]	3950 U	201 J	3870 U	530	2030 U	2930 J	3920 U	3580 U	359 U	19500 U
EPA 8270	Naphthalene	39800	69000	84000	150000	µg/kg	12100 J	3950 U	352 U	3870 U	390 U	2030 U	3900 U	3920 U	3580 U	359 U	19500 U
EPA 8270	Phenanthrene	-	-	-	-	µg/kg	140000	3950 U	804	3870 U	1020	2030 U	11900	4600	3580 U	359 U	19500 U
EPA 8270	Pyrene	-	1800000	220000000	28000000	µg/kg	112000	3950 U	760	3870 U	1660	2030 U	12900	4050	3580 U	359 U	19500 U
TPHs																	
EPA 8015 Mod Ex	Total Petroleum Hydrocarbons	-	-	-	-	mg/kg	899	70.3	42.9	108 J	70.4 J	7810	290	947	1120	21.8 U	564 J
EPA 8015 Mod Ex	TPH (C10-C20)	-	2000	2000	2000	mg/kg	160	8 J	10.2 J	12.8 J	6.4 J	1240 U	118 U	66.7 J	109 U	10.9 U	294 U
EPA 8015 Mod Ex	TPH (C20-C34)	-	5000	5000	5000	mg/kg	739	62.3	32.7	95.3 J	64 J	**7400** [a,b,c]	249	880	1070	10.9 U	492
EPA 8015 Mod Pu	TPH (C06-C12)	-	1000	1000	1000	mg/kg	-	-	-	-	-	1.1	-	-	-	-	1.3 U
Metals																	
EPA 6010	Aluminum	-	-	-	-	mg/kg	11700	14400	7450	14000	10300	17900	11600	11000	7760	6050	11400
EPA 6010	Antimony	3.6	30	390	1200	mg/kg	2.2 U	2.3 U	2 U	2.2 U	2.2 UJ	**203** [a,d]	1.3 J	1.1 J	2	1.9 U	2.2 U
EPA 6010	Arsenic	3	6.7	420	82	mg/kg	**12.7** [a,d]	**6** [d]	**12.4** [a,d]	**11.5** [a,d]	**12.6** [a,d]	**33.4** [a,d]	**19.6** [a,d]	**18.1** [a,d]	**9.8** [a,d]	**11.4** [a,d]	**11** [a,d]
EPA 6010	Barium	56000	15000	120000	370000	mg/kg	951	59.9	39.4	181	68.5	1360	115	160	123	26.3	206
EPA 6010	Beryllium	57	150	3100	5100	mg/kg	0.6	0.45 J	0.39 J	0.69	0.67	1.3	1	0.95	0.65	0.39 J	1
EPA 6010	Cadmium	21	72	1600	2300	mg/kg	0.74 J	2.3 U	2 U	2.2 U	2.2 U	**67.8** [d]	2.3 U	0.5 J	4.7	1.9 U	2.2 U
EPA 6010	Chromium	56	-	-	-	mg/kg	25.5	27	9.8	17.5	28.2	**85** [d]	21.7	21	33.5	10.8	12.7
EPA 6010	Cobalt	-	1400	4000	23000	mg/kg	5.9	2.9	6.8	9.1	10.8	11.7	18.5	12.9	3.5	6.4	4.7
EPA 6010	Copper	-	-	-	-	mg/kg	25.5	26.3	23.2	20.6	41.3	1090	50.7	54	106	19.1	22.1
EPA 6010	Lead	89	400	750	1800	mg/kg	**182** [d]	27	22.2	47.7	**117 J** [d]	**8760** [a,c,d]	**368** [d]	**474** [a,d]	**453** [a,d]	7.2	34.2
EPA 6010	Nickel	182	1500	21000	44000	mg/kg	23.1	12.9	19.8	33	26.3	**261** [d]	27.6	24.6	45.9	21.4	15.5
EPA 6010	Silver	3120	380	9700	15000	mg/kg	2.2 U	2.3 U	2 U	2.2 U	2.2 U	2.4	2.3 U	2 U	1.1 J	1.9 U	2.2 U
EPA 6010	Thallium	1.5	6.1	1600	230	mg/kg	10.9 U	1.4 J	2 U	2.2 U	2.2 U	2 U	2.3 U	2 U	1.2 J	1.9 U	11.1 U
EPA 6010	Vanadium	130	680	17000	26000	mg/kg	25.9	55.7	17	24.9	18.1	16.3	24.2	23.4	13.1	17.4	16.3
EPA 6010	Zinc	44000	23000	580000	880000	mg/kg	507	67.4	81.1	118	117 J	21000	166	195	749	72.3	115
EPA 7471	Mercury	12	7.6	190	290	mg/kg	0.26 U	0.25 U	0.22 U	0.24 U	0.24	0.25 U	0.69	0.69	0.23 U	0.23 U	0.24 U
PCBs																	
EPA 8082	PCB-1254 (Aroclor 1254)	-	-	-	-	µg/kg	121 U	120 U	106 U	118 U	202	2470 U	2390 U	1190 U	2160 U	109 U	1170 U
EPA 8082	PCB-1260 (Aroclor 1260)	-	-	-	-	µg/kg	121 U	120 U	106 U	118 U	118 U	1760 J	2390 U	1190 U	2160 U	109 U	1170 U
EPA 8082	Total PCBs[2]		1200	18000	42000	µg/kg	121 U	120 U	106 U	118 U	202	**1760 J** [a]	2390 U	1190 U	2160 U	109 U	1170 U
Miscellaneous Analyses																	
EPA 9045	pH at 25°C	-	-	-	-	Standard Units	8.4	-	-	-	-	7.4	7.6	-	-	-	-
ASTM D2974	Fractional Organic Carbon	-	-	-	-	w/w %	-	4.04	-	-	3.6 J	-	-	-	8.45 J	-	-
ASTM D2974-87	Percent Moisture	-	-	-	-	%	17.8	17	6.2	15.5	15.8	19.6	16.2	16.6	8.2	9.4	15.4
Dry Weight Mois	Dry Weight Moisture	-	-	-	-	%	-	21	-	-	13.1	-	-	-	6.1	-	-

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Table 2
Soil Analytical Results
Former Fulton Auto Wrecking Property
Cleveland, Cuyahoga County, Ohio

						Location ID	FAW-SB10	FAW-SB10	FAW-SB11	FAW-SB11	FAW-SB11	FAW-SB12	FAW-SB12	FAW-SB12
						Field Sample ID	FAW-SB10(2-4)-103113	FAW-SB10(4-6)-103113	FAW-SB11(0-2)-103113	FAW-SB11(2-4)-103113	FAW-SB11(8-10)-103113	FAW-SB12(0-2)-103113	FAW-SB12(2-4)-103113	FAW-SB12(4-6)-103113
						Sample Date	10/31/2013	10/31/2013	10/31/2013	10/31/2013	10/31/2013	10/31/2013	10/31/2013	10/31/2013
		Criteria Level				Depth Interval (ft bgs)	2- 4	4- 6	0- 2	2- 4	8- 10	0- 2	2- 4	4- 6
Analytical Method	Chemical Name[1]	LBSV	GDCSS-R	GDCSS-CW	GDCSS-CI	Unit								
VOCs														
EPA 8260	1,2,4-Trimethylbenzene	-	85	35	120	mg/kg	-	0.0058 U	-	3.2	-	0.0059 U	0.0046 U	0.0046 U
EPA 8260	1,3,5-Trimethylbenzene	-	69	200	95	mg/kg	-	0.0058 U	-	1.5	-	0.0059 U	0.0046 U	0.0046 U
EPA 8260	2-Butanone (MEK)	1.8	37000	15000	100000	mg/kg	-	0.029 U	-	2.7 U	-	0.03 U	0.023 U	**2.4** [d]
EPA 8260	2-Chlorotoluene	-	-	-	-	mg/kg	-	0.0058 U	-	0.54 U	-	0.0059 U	0.0046 U	0.0046 U
EPA 8260	4-Chlorotoluene	-	-	-	-	mg/kg	-	0.0058 U	-	0.54 U	-	0.0059 U	0.0046 U	0.0046 U
EPA 8260	Acetone	-	64000	100000	100000	mg/kg	-	0.12 U	-	10.8 U	-	0.12 U	0.092 U	0.33
EPA 8260	Benzene	0.149	64	150	140	mg/kg	-	0.0058 U	-	**0.78** [d]	-	0.0059 U	0.0046 U	0.0032 J
EPA 8260	Carbon disulfide	-	1400	190	1400	mg/kg	-	0.012 U	-	1.1 U	-	0.012 U	0.0092 U	0.0093 U
EPA 8260	Chloroethane	-	2200	2200	2200	mg/kg	-	0.0058 U	-	0.54 U	-	0.0059 U	0.0046 U	0.049
EPA 8260	Ethylbenzene	45.5	230	230	230	mg/kg	-	0.0058 U	-	1	-	0.0059 U	0.0046 U	0.011
EPA 8260	Isopropylbenzene (Cumene)	-	260	260	260	mg/kg	-	0.0058 U	-	0.54 U	-	0.0059 U	0.0046 U	0.0046 U
EPA 8260	Methylene Chloride	-	250	1500	570	mg/kg	-	0.023 U	-	2.2 U	-	0.024 U	0.018 U	0.019 U
EPA 8260	n-Butylbenzene	-	-	-	-	mg/kg	-	0.0058 U	-	0.38 J	-	0.0059 U	0.0046 U	0.0046 U
EPA 8260	n-Hexane	121	190	190	190	mg/kg	-	0.0058 U	-	0.54 U	-	0.0059 U	0.0046 U	0.0046 U
EPA 8260	n-Propylbenzene	-	-	-	-	mg/kg	-	0.0058 U	-	0.34 J	-	0.0059 U	0.0046 U	0.0046 U
EPA 8260	p-Isopropyltoluene	-	-	-	-	mg/kg	-	0.0058 U	-	0.54 U	-	0.0059 U	0.0046 U	0.0046 U
EPA 8260	sec-Butylbenzene	-	-	-	-	mg/kg	-	0.0058 U	-	0.54 U	-	0.0059 U	0.0046 U	0.0046 U
EPA 8260	Styrene	0.46	1700	1700	1700	mg/kg	-	0.0058 U	-	0.54 U	-	0.0059 U	0.0046 U	0.023
EPA 8260	Tetrachloroethene	0.15	17	220	53	mg/kg	-	0.0058 U	-	0.54 U	-	0.0059 U	0.0046 U	0.0046 U
EPA 8260	Toluene	49.1	520	520	520	mg/kg	-	0.0058 U	-	3.9	-	0.0045 J	0.0046 U	0.0092
EPA 8260	Trichloroethene	0.036	65	560	150	mg/kg	-	0.0058 U	-	0.54 U	-	0.0059 U	0.0046 U	0.0046 U
EPA 8260	Xylene (Total)	469	370	370	370	mg/kg	-	0.012 U	-	7.8	-	0.012 U	0.0092 U	0.023
SVOCs														
EPA 8270	2-Methylnaphthalene	-	-	-	-	µg/kg	3680 U	3620 U	4010 U	49700	368 U	3910 U	377 U	2480 J
EPA 8270	Acenaphthene	-	3500000	440000000	56000000	µg/kg	3680 U	3530 J	4010 U	225000	368 U	3910 U	787	3720
EPA 8270	Acenaphthylene	-	-	-	-	µg/kg	3680 U	3620 U	4010 U	17700 U	368 U	3910 U	377 U	3700 U
EPA 8270	Anthracene	-	18000000	1000000000	2800000000	µg/kg	3680 U	7320	4010 U	536000	368 U	3910 U	2170	9250
EPA 8270	Benzo(a)anthracene	22200	11000	680000	76000	µg/kg	1960 J	**11400** [a]	4010 U	**731000** [a,b,c,d]	368 U	3910 U	4060	8090
EPA 8270	Benzo(a)pyrene	50600	1100	69000	7700	µg/kg	1900 U	**10100** [a,b]	2060 U	**670000** [a,b,c,d]	190 U	2020 U	**3220** [a]	**6250** [a]
EPA 8270	Benzo(b)fluoranthene	55300	11000	690000	77000	µg/kg	2540 J	**12800** [a]	2170 J	**836000** [a,b,c,d]	368 U	2960 J	4120	7450
EPA 8270	Benzo(g,h,i)perylene	-	-	-	-	µg/kg	3680 U	5330	4010 U	330000	368 U	3910 U	1620	3190 J
EPA 8270	Benzo(k)fluoranthene	501000	110000	6900000	770000	µg/kg	3680 U	5980	4010 U	**335000** [a]	368 U	2660 J	1560	2680 J
EPA 8270	bis(2-Ethylhexyl)phthalate	-	190000	190000	190000	µg/kg	3680 U	3620 U	4010 U	17700 U	368 U	2210 J	377 U	3700 U
EPA 8270	Butylbenzylphthalate	-	58000	58000	58000	µg/kg	3680 U	2560 J	4010 U	17700 U	368 U	3910 U	377 U	3700 U
EPA 8270	Chrysene	4410000	1100000	69000000	7600000	µg/kg	2150 J	11500	4010 U	658000	368 U	3910 U	3220	7290
EPA 8270	Dibenz(a,h)anthracene	94000	1100	69000	7700	µg/kg	1900 U	1870 U	2060 U	**116000** [a,b,c,d]	190 U	2020 U	484	1910 U
EPA 8270	Dibenzofuran	-	-	-	-	µg/kg	3680 U	2470 J	4010 U	187000	368 U	3910 U	471	4550
EPA 8270	Fluoranthene	-	2400000	290000000	37000000	µg/kg	5160	26100	4030	1770000	368 U	4070	8340	21200
EPA 8270	Fluorene	-	2400000	290000000	37000000	µg/kg	3680 U	3400 J	4010 U	278000	368 U	3910 U	873	5630
EPA 8270	Indeno(1,2,3-cd)pyrene	244000	11000	690000	77000	µg/kg	3680 U	4880	4010 U	**331000** [a,b,d]	368 U	3910 U	1510	3030 J
EPA 8270	Naphthalene	39800	69000	84000	150000	µg/kg	3680 U	1860 J	4010 U	**90700** [a,c,d]	368 U	3910 U	377 U	5490
EPA 8270	Phenanthrene	-	-	-	-	µg/kg	3600 J	25000	3880 J	1740000	368 U	4330	7530	27700
EPA 8270	Pyrene	-	1800000	220000000	28000000	µg/kg	3980	20800	3160 J	1420000	368 U	3050 J	6520	16100
TPHs														
EPA 8015 Mod Ex	Total Petroleum Hydrocarbons	-	-	-	-	mg/kg	330	3790	134	23600	6.5 J	503	109 J	43.4
EPA 8015 Mod Ex	TPH (C10-C20)	-	2000	2000	2000	mg/kg	113 U	864	60.9 U	**5370** [a,b,c]	11.2 U	119 U	57.3 U	12.1
EPA 8015 Mod Ex	TPH (C20-C34)	-	5000	5000	5000	mg/kg	297	2920	109	**18200** [a,b,c]	11.2 U	451	84.7	31.3
EPA 8015 Mod Pu	TPH (C06-C12)	-	1000	1000	1000	mg/kg	-	1.3 U	-	73.9	-	1.1 U	0.94 U	0.86 U
Metals														
EPA 6010	Aluminum	-	-	-	-	mg/kg	10300	4730	13200	2820	7270	8100	7990	8410
EPA 6010	Antimony	3.6	30	390	1200	mg/kg	1.9 U	3.3	2.2 U	1.6 J	1.9 U	3.6	2.1 U	1.9 U
EPA 6010	Arsenic	3	6.7	420	82	mg/kg	**10.8** [a,d]	**12.7** [a,d]	**19** [a,d]	**7.9** [a,d]	**13.6** [a,d]	**16.4** [a,d]	**10.9** [a,d]	**10.4** [a,d]
EPA 6010	Barium	56000	15000	120000	370000	mg/kg	139	126	84.8	69.8	14.3	271	73.2	39.7
EPA 6010	Beryllium	57	150	3100	5100	mg/kg	1.2	0.7	0.9	0.48 U	0.48	0.75	0.64	0.42 J
EPA 6010	Cadmium	21	72	1600	2300	mg/kg	0.94 J	4.9	2.2 U	4	1.9 U	12.7	1.2 J	1.9 U
EPA 6010	Chromium	56	-	-	-	mg/kg	18.2	23.1	24.5	10.2	10.2	35.8	13.1	12.3
EPA 6010	Cobalt	-	1400	4000	23000	mg/kg	4.7	3.3	17.7	2.4	9.7	6.6	6.2	7
EPA 6010	Copper	-	-	-	-	mg/kg	64	119	47.3	81.1	21.4	241	27.2	31.4
EPA 6010	Lead	89	400	750	1800	mg/kg	**140** [d]	**399** [d]	**516** [a,d]	**219** [d]	9	**735** [a,d]	**148** [d]	46.8
EPA 6010	Nickel	182	1500	21000	44000	mg/kg	29.3	40.3	34	17.9	24.2	59.8	18.4	19.4
EPA 6010	Silver	3120	380	9700	15000	mg/kg	1.9 U	2.1 U	2.2 U	1.9 U	1.9 U	1.2 J	2.1 U	1.9 U
EPA 6010	Thallium	1.5	6.1	1600	230	mg/kg	1.9 U	2.1 U	2.2 U	1.9 U	1.9 U	2.2 U	2.1 U	1.9 U
EPA 6010	Vanadium	130	680	17000	26000	mg/kg	17.6	10.8	23.8	8	22.5	22.4	17.4	18.6
EPA 6010	Zinc	44000	23000	580000	880000	mg/kg	196	582	149	500	107	2160	354	153
EPA 7471	Mercury	12	7.6	190	290	mg/kg	0.24 U	0.24	0.25 U	0.21 U	0.24 U	0.49	0.8	0.22 J
PCBs														
EPA 8082	PCB-1254 (Aroclor 1254)	-	-	-	-	µg/kg	1130 U	1100 U	280	1070 U	112 U	595 U	115 U	112 U
EPA 8082	PCB-1260 (Aroclor 1260)	-	-	-	-	µg/kg	1130 U	1100 U	122 U	1070 U	112 U	595 U	115 U	112 U
EPA 8082	Total PCBs[2]		1200	18000	42000	µg/kg	1130 U	1100 U	280	1070 U	112 U	595 U	115 U	112 U
Miscellaneous Analyses														
EPA 9045	pH at 25°C	-	-	-	-	Standard Units	-	8.1	-	8.2	-	7.4	-	-
ASTM D2974	Fractional Organic Carbon	-	-	-	-	w/w %	5.73	-	-	-	1.96	-	2.48	-
ASTM D2974-87	Percent Moisture	-	-	-	-	%	11.6	9.8	17.9	7.2	11.3	16.5	13.4	11.4
Dry Weight Mois	Dry Weight Moisture	-	-	-	-	%	10.3	-	-	-	10.3	-	13.9	-

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Table 2
Soil Analytical Results
Former Fulton Auto Wrecking Property
Cleveland, Cuyahoga County, Ohio

Notes:

Bold Shaded/bold indicate concentration exceeds one or more criterion (criterion exceeded indicated by superscript)

[a] Concentration exceeds the Residential Single Chemical GDCSS

[b] Concentration exceeds the C/I Single Chemical GDCSS

[c] Concentration exceeds the CW Single Chemical GDCSS

[d] Concentration exceeds the Generic LBSV

[1]Only positively detected chemicals displayed

[2]Total PCBs value is the sum of all positively detected PCB aroclors

- = Not analyzed or not available
°C = Degree Celsius
°F = Degree Fahrenheit
µg/kg = Micrograms per kilogram
% = Percent
bgs = Below ground surface
CI = Commercial/Industrial
CW = Construction Worker
ft = Feet
ID = Identification
GDCSS= Generic direct contact soil standard
J = Result is estimated
LBSV = Leach-Based Soil Values
mg/kg = Milligrams per kilogram
PCB = Polychlorinated biphenyl
R = Residential
SVOC = Semi-volatile organic compound
TPH = Total petroleum hydrocarbons
U = Parameter not detected, reporting limit is presented
VOC = Volatile organic compound
w/w % = Weight/weight percentage

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Table 3
Risk Ratio Calculation for 0 to 2 ft bgs
Former Fulton Auto Wrecking Property
Cleveland, Cuyahoga County, Ohio

Analytical Method	Chemical Name[1]	Units	Maximum Concentration	Location of Maximum Concentration	Residential Standard for Single Chemical (Noncarcinogen)	Residential Noncarcinogenic Risk Ratio	Residential Standard for Single Chemical (Carcinogen)	Residential Carcinogenic Risk Ratio	C/I Standard for Single Chemical (Noncarcinogen)	C/I Noncarcinogenic Risk Ratio	C/I Standard for Single Chemical (Carcinogen)	C/I Carcinogenic Risk Ratio
VOCs												
EPA 8260	1,2,4-Trimethylbenzene	mg/kg	0.0051 J	FAW-SB10(0-2)-103113	8.50E+01	6.00E-05	-	-	1.20E+02	4.25E-05	-	-
EPA 8260	n-Hexane	mg/kg	0.005 J	FAW-SB10(0-2)-103113	5.30E+02	9.43E-06	-	-	8.00E+02	6.25E-06	-	-
EPA 8260	Toluene	mg/kg	0.0045 J	FAW-SB12(0-2)-103113	5.10E+03	8.82E-07	-	-	3.30E+04	1.36E-07	-	-
SVOCs												
EPA 8270	2-Methylnaphthalene	µg/kg	3510 J	FAW-SB07(0-2)-103113	-	-	-	-	-	-	-	-
EPA 8270	Acenaphthene	µg/kg	15300	FAW-SB07(0-2)-103113	3.50E+06	4.37E-03	-	-	5.60E+07	2.73E-04	-	-
EPA 8270	Anthracene	µg/kg	40500	FAW-SB07(0-2)-103113	1.80E+07	2.25E-03	-	-	2.80E+08	1.45E-04	-	-
EPA 8270	Benzo(a)anthracene	µg/kg	54800	FAW-SB07(0-2)-103113	-	-	1.10E+04	4.98E+00	-	-	7.60E+04	7.21E-01
EPA 8270	Benzo(a)pyrene	µg/kg	44400	FAW-SB07(0-2)-103113	-	-	1.10E+03	4.04E+01	-	-	7.70E+03	5.77E+00
EPA 8270	Benzo(b)fluoranthene	µg/kg	59800	FAW-SB07(0-2)-103113	-	-	1.10E+04	5.44E+00	-	-	7.70E+04	7.77E-01
EPA 8270	Benzo(g,h,i)perylene	µg/kg	22800	FAW-SB07(0-2)-103113	-	-	-	-	-	-	-	-
EPA 8270	Benzo(k)fluoranthene	µg/kg	17100	FAW-SB07(0-2)-103113	-	-	1.10E+05	1.55E-01	-	-	7.70E+05	2.22E-02
EPA 8270	bis(2-Ethylhexyl)phthalate	µg/kg	43500	FAW-SB01(0-2)102813	1.30E+06	3.35E-02	6.20E+05	7.02E-02	2.20E+07	1.98E-03	4.80E+06	9.06E-03
EPA 8270	Butylbenzylphthalate	µg/kg	330000	FAW-SB10(0-2)-103113	1.30E+07	2.54E-02	6.20E+05	5.32E-01	2.20E+08	1.50E-03	4.80E+06	6.88E-02
EPA 8270	Chrysene	µg/kg	46900	FAW-SB07(0-2)-103113	-	-	1.10E+06	4.26E-02	-	-	7.60E+06	6.17E-03
EPA 8270	Dibenz(a,h)anthracene	µg/kg	6760 J	FAW-SB07(0-2)-103113	-	-	1.10E+03	6.15E+00	-	-	7.70E+03	8.78E-01
EPA 8270	Dibenzofuran	µg/kg	12400	FAW-SB07(0-2)-103113	-	-	-	-	-	-	-	-
EPA 8270	Fluoranthene	µg/kg	152000	FAW-SB07(0-2)-103113	2.40E+06	6.33E-02	-	-	3.70E+07	4.11E-03	-	-
EPA 8270	Fluorene	µg/kg	19000	FAW-SB07(0-2)-103113	2.40E+06	7.92E-03	-	-	3.70E+07	5.14E-04	-	-
EPA 8270	Indeno(1,2,3-cd)pyrene	µg/kg	21600	FAW-SB07(0-2)-103113	-	-	1.10E+04	1.96E+00	-	-	7.70E+04	2.81E-01
EPA 8270	Naphthalene	µg/kg	12100 J	FAW-SB07(0-2)-103113	1.80E+05	6.72E-02	6.90E+04	1.75E-01	2.80E+05	4.32E-02	1.50E+05	8.07E-02
EPA 8270	Phenanthrene	µg/kg	140000	FAW-SB07(0-2)-103113	-	-	-	-	-	-	-	-
EPA 8270	Pyrene	µg/kg	112000	FAW-SB07(0-2)-103113	1.80E+06	6.22E-02	-	-	2.80E+07	4.00E-03	-	-
TPHs												
EPA 8015 Mod Ex	Total Petroleum Hydrocarbons	mg/kg	947	FAW-SB09(0-2)-110113D	-	-	-	-	-	-	-	-
EPA 8015 Mod Ex	TPH (C10-C20)	mg/kg	192	FAW-MW01(0-2)-102813D	-	-	-	-	-	-	-	-
EPA 8015 Mod Ex	TPH (C20-C34)	mg/kg	880	FAW-SB09(0-2)-110113D	-	-	-	-	-	-	-	-
Metals												
EPA 6010	Aluminum	mg/kg	14000	FAW-SB08(0-2)-110113	-	-	-	-	-	-	-	-
EPA 6010	Antimony	mg/kg	16.6	FAW-MW01(0-2)-102813D	3.00E+01	5.53E-01	-	-	1.20E+03	1.38E-02	-	-
EPA 6010	Arsenic	mg/kg	97	FAW-SB05(0-2)-103113	2.10E+01	4.62E+00	6.70E+00	1.45E+01	6.10E+02	1.59E-01	8.20E+01	1.18E+00
EPA 6010	Barium	mg/kg	951	FAW-SB07(0-2)-103113	1.50E+04	6.34E-02	-	-	3.70E+05	2.57E-03	-	-
EPA 6010	Beryllium	mg/kg	1.6	FAW-MW01(0-2)-102813	1.50E+02	1.07E-02	1.60E+04	1.00E-04	5.10E+03	3.14E-04	3.90E+04	4.10E-05
EPA 6010	Cadmium	mg/kg	25.3	FAW-SB03(0-2)-103113	7.20E+01	3.51E-01	2.20E+04	1.15E-03	2.30E+03	1.10E-02	5.20E+04	4.87E-04
EPA 6010	Chromium	mg/kg	66.9	FAW-SB05(0-2)-103113	2.30E+02	2.91E-01	3.30E+03	2.03E-02	8.40E+03	7.96E-03	7.90E+03	8.47E-03
EPA 6010	Cobalt	mg/kg	18.5	FAW-SB05(0-2)-103113	1.40E+03	1.32E-02	1.40E+04	1.32E-03	2.30E+04	8.04E-04	3.40E+04	5.44E-04
EPA 6010	Copper	mg/kg	794	FAW-SB04(0-2)-103113	-	-	-	-	-	-	-	-
EPA 6010	Lead	mg/kg	2520	FAW-SB04(0-2)-103113	-	-	-	-	-	-	-	-
EPA 6010	Nickel	mg/kg	151	FAW-SB03(0-2)-103113	1.50E+03	1.01E-01	-	-	4.40E+04	3.43E-03	-	-
EPA 6010	Silver	mg/kg	6.1	FAW-MW01(0-2)-102813D	3.80E+02	1.61E-02	-	-	1.50E+04	4.07E-04	-	-
EPA 6010	Thallium	mg/kg	3	FAW-SB01(0-2)102813	6.10E+00	4.92E-01	-	-	2.30E+02	1.30E-02	-	-
EPA 6010	Vanadium	mg/kg	72.1	FAW-SB05(0-2)-103113	6.80E+02	1.06E-01	-	-	2.60E+04	2.77E-03	-	-
EPA 6010	Zinc	mg/kg	7140	FAW-SB03(0-2)-103113	2.30E+04	3.10E-01	-	-	8.80E+05	8.11E-03	-	-
EPA 7471	Mercury	mg/kg	2.8	FAW-MW01(0-2)-102813D	7.60E+00	3.68E-01	-	-	2.90E+02	9.66E-03	-	-
PCBs												
EPA 8082	PCB-1254 (Aroclor 1254)	µg/kg	280	FAW-SB11(0-2)-103113	-	-	-	-	-	-	-	-
EPA 8082	PCB-1260 (Aroclor 1260)	µg/kg	205	FAW-SB03(0-2)-103113	-	-	-	-	-	-	-	-
EPA 8082	Total PCBs[2]	µg/kg	280	FAW-SB11(0-2)-103113	1.20E+03	2.33E-01	4.00E+03	7.00E-02	1.80E+04	1.56E-02	2.60E+04	1.08E-02
					Cumulative risk ratio	**7.79**	**Cumulative risk ratio**	**74.37**	**Cumulative risk ratio**	**0.30**	**Cumulative risk ratio**	**9.81**

Notes:

[1]Only positively detected chemicals displayed

[2]Total PCBs value is the sum of all positively detected PCB aroclors

µg/kg = Micrograms per kilogram

C/I = Commercial and Industrial

ID = Identification

J = Result is estimated

mg/kg = Milligrams per kilogram

PCB = Polychlorinated biphenyl

SVOC = Semivolatile organic compound

TPH = Total petroleum hydrocarbons

VOC = Volatile organic compound

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Table 4
Risk Ratio Calculation for 0 to 4 ft bgs
Former Fulton Auto Wrecking Property
Cleveland, Cuyahoga County, Ohio

Analytical Method	Chemical Name[1]	Units	Maximum Concentration	Location of Maximum Concentration	Residential Standard for Single Chemical (Noncarcinogen)	Residential Noncarcinogenic Risk Ratio	Residential Standard for Single Chemical (Carcinogen)	Residential Carcinogenic Risk Ratio	C/I Standard for Single Chemical (Noncarcinogen)	C/I Noncarcinogenic Risk Ratio	C/I Standard for Single Chemical (Carcinogen)	C/I Carcinogenic Risk Ratio
VOCs												
EPA 8260	1,2,4-Trimethylbenzene	mg/kg	39.8	FAW-MW02(2-4)-102913	8.50E+01	4.68E-01	-	-	1.20E+02	3.32E-01	-	-
EPA 8260	1,3,5-Trimethylbenzene	mg/kg	16.8	FAW-MW02(2-4)-102913	1.90E+03	8.84E-03	-	-	9.50E+01	1.77E-01	-	-
EPA 8260	2-Butanone (MEK)	mg/kg	0.022	FAW-SB01(2-4)102813	3.70E+04	5.95E-07	-	-	2.20E+05	1.00E-07	-	-
EPA 8260	Acetone	mg/kg	0.17	FAW-SB01(2-4)102813	6.40E+04	2.66E-06	-	-	8.50E+05	2.00E-07	-	-
EPA 8260	Benzene	mg/kg	0.78	FAW-SB11(2-4)-103113	9.40E+01	8.30E-03	6.40E+01	1.22E-02	1.70E+02	4.59E-03	1.40E+02	5.57E-03
EPA 8260	Carbon disulfide	mg/kg	0.004 J	FAW-SB01(2-4)102813	1.40E+03	2.86E-06	-	-	2.20E+03	1.82E-06	-	-
EPA 8260	Ethylbenzene	mg/kg	2.1	FAW-MW02(2-4)-102913	3.60E+03	5.83E-04	-	-	8.50E+03	2.47E-04	-	-
EPA 8260	Isopropylbenzene (Cumene)	mg/kg	0.079	FAW-MW02(2-4)-102913	2.70E+03	2.93E-05	-	-	5.70E+03	1.39E-05	-	-
EPA 8260	Methylene Chloride	mg/kg	0.013 J	FAW-SB03(2-4)-103113	2.20E+03	5.91E-06	2.50E+02	5.20E-05	4.90E+03	2.65E-06	5.70E+02	2.28E-05
EPA 8260	n-Butylbenzene	mg/kg	0.38 J	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8260	n-Hexane	mg/kg	0.027	FAW-SB01(2-4)102813	5.30E+02	5.09E-05	-	-	8.00E+02	3.38E-05	-	-
EPA 8260	n-Propylbenzene	mg/kg	0.34 J	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8260	p-Isopropyltoluene	mg/kg	0.11	FAW-MW02(2-4)-102913	-	-	-	-	-	-	-	-
EPA 8260	sec-Butylbenzene	mg/kg	0.075	FAW-MW02(2-4)-102913	-	-	-	-	-	-	-	-
EPA 8260	Tetrachloroethene	mg/kg	0.0064	FAW-MW02(2-4)-102913	5.10E+02	1.25E-05	1.70E+01	3.76E-04	1.70E+03	3.76E-06	5.30E+01	1.21E-04
EPA 8260	Toluene	mg/kg	3.9	FAW-SB11(2-4)-103113	5.10E+03	7.65E-04	-	-	3.30E+04	1.18E-04	-	-
EPA 8260	Xylene (Total)	mg/kg	31.5	FAW-MW02(2-4)-102913	1.00E+03	3.15E-02	-	-	1.50E+03	2.10E-02	-	-
SVOCs												
EPA 8270	2-Methylnaphthalene	µg/kg	49700	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8270	Acenaphthene	µg/kg	225000	FAW-SB11(2-4)-103113	3.50E+06	6.43E-02	-	-	5.60E+07	4.02E-03	-	-
EPA 8270	Anthracene	µg/kg	536000	FAW-SB11(2-4)-103113	1.80E+07	2.98E-02	-	-	2.80E+08	1.91E-03	-	-
EPA 8270	Benzo(a)anthracene	µg/kg	731000	FAW-SB11(2-4)-103113	-	-	1.10E+04	6.65E+01	-	-	7.60E+04	9.62E+00
EPA 8270	Benzo(a)pyrene	µg/kg	670000	FAW-SB11(2-4)-103113	-	-	1.10E+03	6.09E+02	-	-	7.70E+03	8.70E+01
EPA 8270	Benzo(b)fluoranthene	µg/kg	836000	FAW-SB11(2-4)-103113	-	-	1.10E+04	7.60E+01	-	-	7.70E+04	1.09E+01
EPA 8270	Benzo(g,h,i)perylene	µg/kg	330000	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8270	Benzo(k)fluoranthene	µg/kg	335000	FAW-SB11(2-4)-103113	-	-	1.10E+05	3.05E+00	-	-	7.70E+05	4.35E-01
EPA 8270	bis(2-Ethylhexyl)phthalate	µg/kg	43500	FAW-SB01(0-2)102813	1.30E+06	3.35E-02	6.20E+05	7.02E-02	2.20E+07	1.98E-03	4.80E+06	9.06E-03
EPA 8270	Butylbenzylphthalate	µg/kg	330000	FAW-SB10(0-2)-103113	1.30E+07	2.54E-02	6.20E+05	5.32E-01	2.20E+08	1.50E-03	4.80E+06	6.88E-02
EPA 8270	Chrysene	µg/kg	658000	FAW-SB11(2-4)-103113	-	-	1.10E+06	5.98E-01	-	-	7.60E+06	8.66E-02
EPA 8270	Dibenz(a,h)anthracene	µg/kg	116000	FAW-SB11(2-4)-103113	-	-	1.10E+03	1.05E+02	-	-	7.70E+03	1.51E+01
EPA 8270	Dibenzofuran	µg/kg	187000	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8270	Fluoranthene	µg/kg	1770000	FAW-SB11(2-4)-103113	2.40E+06	7.38E-01	-	-	3.70E+07	4.78E-02	-	-
EPA 8270	Fluorene	µg/kg	278000	FAW-SB11(2-4)-103113	2.40E+06	1.16E-01	-	-	3.70E+07	7.51E-03	-	-
EPA 8270	Indeno(1,2,3-cd)pyrene	µg/kg	331000	FAW-SB11(2-4)-103113	-	-	1.10E+04	3.01E+01	-	-	7.70E+04	4.30E+00
EPA 8270	Naphthalene	µg/kg	90700	FAW-SB11(2-4)-103113	1.80E+05	5.04E-01	6.90E+04	1.31E+00	2.80E+05	3.24E-01	1.50E+05	6.05E-01
EPA 8270	Phenanthrene	µg/kg	1740000	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8270	Pyrene	µg/kg	1420000	FAW-SB11(2-4)-103113	1.80E+06	7.89E-01	-	-	2.80E+07	5.07E-02	-	-
TPHs												
EPA 8015 Mod Ex	Total Petroleum Hydrocarbons	mg/kg	23600	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8015 Mod Ex	TPH (C10-C20)	mg/kg	5370	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8015 Mod Ex	TPH (C20-C34)	mg/kg	18200	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8015 Mod Pu	TPH (C06-C12)	mg/kg	398	FAW-MW02(2-4)-102913	-	-	-	-	-	-	-	-
Metals												
EPA 6010	Aluminum	mg/kg	14400	FAW-SB07(2-4)-103113	-	-	-	-	-	-	-	-
EPA 6010	Antimony	mg/kg	16.6	FAW-MW01(0-2)-102813D	3.00E+01	5.53E-01	-	-	1.20E+03	1.38E-02	-	-
EPA 6010	Arsenic	mg/kg	107	FAW-SB05(2-4)-103113	2.10E+01	5.10E+00	6.70E+00	1.60E+01	6.10E+02	1.75E-01	8.20E+01	1.30E+00
EPA 6010	Barium	mg/kg	951	FAW-SB07(0-2)-103113	1.50E+04	6.34E-02	-	-	3.70E+05	2.57E-03	-	-
EPA 6010	Beryllium	mg/kg	1.6	FAW-MW01(0-2)-102813	1.50E+02	1.07E-02	1.60E+04	1.00E-04	5.10E+03	3.14E-04	3.90E+04	4.10E-05
EPA 6010	Cadmium	mg/kg	34.6	FAW-SB06(2-4)-103013	7.20E+01	4.81E-01	2.20E+04	1.57E-03	2.30E+03	1.50E-02	5.20E+04	6.65E-04
EPA 6010	Chromium	mg/kg	284	FAW-SB05(2-4)-103113	2.30E+02	1.23E+00	3.30E+03	8.61E-02	8.40E+03	3.38E-02	7.90E+03	3.59E-02
EPA 6010	Cobalt	mg/kg	18.5	FAW-SB09(0-2)-110113	1.40E+03	1.32E-02	1.40E+04	1.32E-03	2.30E+04	8.04E-04	3.40E+04	5.44E-04
EPA 6010	Copper	mg/kg	794	FAW-SB04(0-2)-103113	-	-	-	-	-	-	-	-
EPA 6010	Lead	mg/kg	2520	FAW-SB04(0-2)-103113	-	-	-	-	-	-	-	-
EPA 6010	Nickel	mg/kg	151	FAW-SB03(0-2)-103113	1.50E+03	1.01E-01	-	-	4.40E+04	3.43E-03	-	-
EPA 6010	Silver	mg/kg	6.1	FAW-MW01(0-2)-102813D	3.80E+02	1.61E-02	-	-	1.50E+04	4.07E-04	-	-
EPA 6010	Thallium	mg/kg	3	FAW-SB01(0-2)102813	6.10E+00	4.92E-01	-	-	2.30E+02	1.30E-02	-	-
EPA 6010	Vanadium	mg/kg	94.5	FAW-SB05(2-4)-103113	6.80E+02	1.39E-01	-	-	2.60E+04	3.63E-03	-	-
EPA 6010	Zinc	mg/kg	7140	FAW-SB03(0-2)-103113	2.30E+04	3.10E-01	-	-	8.80E+05	8.11E-03	-	-
EPA 7471	Mercury	mg/kg	2.8	FAW-MW01(0-2)-102813D	7.60E+00	3.68E-01	-	-	2.90E+02	9.66E-03	-	-
PCBs												
EPA 8082	PCB-1254 (Aroclor 1254)	µg/kg	516 J	FAW-MW03(2-4)-102913	-	-	-	-	-	-	-	-
EPA 8082	PCB-1260 (Aroclor 1260)	µg/kg	973 J	FAW-SB06(2-4)-103013	-	-	-	-	-	-	-	-
EPA 8082	Total PCBs[2]	µg/kg	973 J	FAW-SB06(2-4)-103013	1.20E+03	8.11E-01	4.00E+03	2.43E-01	1.80E+04	5.41E-02	2.60E+04	3.74E-02
					Cummulative Risk Ratio	**12.51**	**Cummulative Risk Ratio**	**908.97**	**Cummulative Risk Ratio**	**1.31**	**Cummulative Risk Ratio**	**129.44**

Notes:
[1]Only positively detected chemicals displayed
[2]Total PCBs value is the sum of all positively detected PCB aroclors
µg/kg = Micrograms per kilogram
ID = Identification
J = Result is estimated
mg/kg = Milligrams per kilogram
PCB = Polychlorinated biphenyl
SVOC = Semi-volatile organic compound
TPH = Total petroleum hydrocarbons
VOC = Volatile organic compound

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Table 5
Risk Ratio Calculation for 0 to 10 ft bgs
Former Fulton Auto Wrecking Property
Cleveland, Cuyahoga County, Ohio

Analytical Method	Chemical Name[1]	Units	Maximum Concentration	Location of Maximum Concentration	Residential Standard for Single Chemical (Noncarcinogen)	Residential Noncarcinogenic Risk Ratio	Residential Standard for Single Chemical (Carcinogen)	Residential Carcinogenic Risk Ratio	CW Standard for Single Chemical (Noncarcinogen)	CW Noncarcinogenic Risk Ratio	CW Standard for Single Chemical (Carcinogen)	CW Carcinogenic Risk Ratio
VOCs												
EPA 8260	1,2,4-Trimethylbenzene	mg/kg	39.8	FAW-MW02(2-4)-102913	8.50E+01	4.68E-01	-	-	3.50E+01	1.14E+00	-	-
EPA 8260	1,3,5-Trimethylbenzene	mg/kg	16.8	FAW-MW02(2-4)-102913	1.90E+03	8.84E-03	-	-	2.80E+02	6.00E-02	-	-
EPA 8260	2-Butanone (MEK)	mg/kg	2.4	FAW-SB12(4-6)-103113	3.70E+04	6.49E-05	-	-	1.50E+04	1.60E-04	-	-
EPA 8260	2-Chlorotoluene	mg/kg	0.044	FAW-SB08(8-10)-110113	-	-	-	-	-	-	-	-
EPA 8260	4-Chlorotoluene	mg/kg	0.011	FAW-SB08(8-10)-110113	-	-	-	-	-	-	-	-
EPA 8260	Acetone	mg/kg	0.33	FAW-SB12(4-6)-103113	6.40E+04	5.16E-06	-	-	3.20E+05	1.03E-06	-	-
EPA 8260	Benzene	mg/kg	0.78	FAW-SB11(2-4)-103113	9.40E+01	8.30E-03	6.40E+01	1.22E-02	1.50E+02	5.20E-03	5.40E+02	1.44E-03
EPA 8260	Carbon disulfide	mg/kg	0.004 J	FAW-SB01(2-4)102813	1.40E+03	2.86E-06	-	-	1.90E+02	2.11E-05	-	-
EPA 8260	Chloroethane	mg/kg	0.049	FAW-SB12(4-6)-103113	1.00E+04	4.90E-06	3.70E+03	1.32E-05	5.50E+03	8.91E-06	4.70E+05	1.04E-07
EPA 8260	Ethylbenzene	mg/kg	2.1	FAW-MW02(2-4)-102913	3.60E+03	5.83E-04	-	-	2.60E+03	8.08E-04	-	-
EPA 8260	Isopropylbenzene (Cumene)	mg/kg	0.079	FAW-MW02(2-4)-102913	2.70E+03	2.93E-05	-	-	1.70E+04	4.65E-06	-	-
EPA 8260	Methylene Chloride	mg/kg	0.013 J	FAW-SB03(2-4)-103113	2.20E+03	5.91E-06	2.50E+02	5.20E-05	1.50E+03	8.67E-06	2.20E+03	5.91E-06
EPA 8260	n-Butylbenzene	mg/kg	0.38 J	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8260	n-Hexane	mg/kg	0.027	FAW-SB01(2-4)102813	5.30E+02	5.09E-05	-	-	7.10E+02	3.80E-05	-	-
EPA 8260	n-Propylbenzene	mg/kg	0.34 J	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8260	p-Isopropyltoluene	mg/kg	0.11	FAW-MW02(2-4)-102913	-	-	-	-	-	-	-	-
EPA 8260	sec-Butylbenzene	mg/kg	0.075	FAW-MW02(2-4)-102913	-	-	-	-	-	-	-	-
EPA 8260	Styrene	mg/kg	0.023	FAW-SB12(4-6)-103113	9.50E+03	2.42E-06	-	-	2.70E+04	8.52E-07	-	-
EPA 8260	Tetrachloroethene	mg/kg	0.0064	FAW-MW02(2-4)-102913	5.10E+02	1.25E-05	1.70E+01	3.76E-04	5.40E+02	1.19E-05	2.20E+02	2.91E-05
EPA 8260	Toluene	mg/kg	3.9	FAW-SB11(2-4)-103113	5.10E+03	7.65E-04	-	-	2.00E+03	1.95E-03	-	-
EPA 8260	Trichloroethene	mg/kg	0.045	FAW-SB05(6-8)-103113	2.30E+03	1.96E-05	6.50E+01	6.92E-04	9.60E+02	4.69E-05	5.60E+02	8.04E-05
EPA 8260	Xylene (Total)	mg/kg	31.5	FAW-MW02(2-4)-102913	1.00E+03	3.15E-02	-	-	4.40E+02	7.16E-02	-	-
SVOCs												
EPA 8270	2-Methylnaphthalene	µg/kg	49700	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8270	Acenaphthene	µg/kg	225000	FAW-SB11(2-4)-103113	3.50E+06	6.43E-02	-	-	4.40E+08	5.11E-04	-	-
EPA 8270	Acenaphthylene	µg/kg	554	FAW-MW02(6-8)-103013	-	-	-	-	-	-	-	-
EPA 8270	Anthracene	µg/kg	536000	FAW-SB11(2-4)-103113	1.80E+07	2.98E-02	-	-	1.00E+06	5.36E-01	-	-
EPA 8270	Benzo(a)anthracene	µg/kg	731000	FAW-SB11(2-4)-103113	-	-	1.10E+04	6.65E+01	-	-	6.80E+05	1.08E+00
EPA 8270	Benzo(a)pyrene	µg/kg	670000	FAW-SB11(2-4)-103113	-	-	1.10E+03	6.09E+02	-	-	6.90E+04	9.71E+00
EPA 8270	Benzo(b)fluoranthene	µg/kg	836000	FAW-SB11(2-4)-103113	-	-	1.10E+04	7.60E+01	-	-	6.90E+05	1.21E+00
EPA 8270	Benzo(g,h,i)perylene	µg/kg	330000	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8270	Benzo(k)fluoranthene	µg/kg	335000	FAW-SB11(2-4)-103113	-	-	1.10E+05	3.05E+00	-	-	-	-
EPA 8270	bis(2-Ethylhexyl)phthalate	µg/kg	43500	FAW-SB01(0-2)102813	1.30E+06	3.35E-02	6.20E+05	7.02E-02	1.70E+08	2.56E-04	4.20E+07	1.04E-03
EPA 8270	Butylbenzylphthalate	µg/kg	330000	FAW-SB10(0-2)-103113	1.30E+07	2.54E-02	6.20E+05	5.32E-01	1.00E+09	3.30E-04	4.30E+07	7.67E-03
EPA 8270	Chrysene	µg/kg	658000	FAW-SB11(2-4)-103113	-	-	1.10E+06	5.98E-01	-	-	6.90E+07	9.54E-03
EPA 8270	Dibenz(a,h)anthracene	µg/kg	116000	FAW-SB11(2-4)-103113	-	-	1.10E+03	1.05E+02	-	-	6.90E+04	1.68E+00
EPA 8270	Dibenzofuran	µg/kg	187000	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8270	Fluoranthene	µg/kg	1770000	FAW-SB11(2-4)-103113	2.40E+06	7.38E-01	-	-	2.90E+08	6.10E-03	-	-
EPA 8270	Fluorene	µg/kg	278000	FAW-SB11(2-4)-103113	2.40E+06	1.16E-01	-	-	2.90E+08	9.59E-04	-	-
EPA 8270	Indeno(1,2,3-cd)pyrene	µg/kg	331000	FAW-SB11(2-4)-103113	-	-	1.10E+04	3.01E+01	-	-	6.90E+05	4.80E-01
EPA 8270	Naphthalene	µg/kg	90700	FAW-SB11(2-4)-103113	1.80E+05	5.04E-01	6.90E+04	1.31E+00	8.40E+04	1.08E+00	5.80E+05	1.56E-01
EPA 8270	Phenanthrene	µg/kg	1740000	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8270	Pyrene	µg/kg	1420000	FAW-SB11(2-4)-103113	1.80E+06	7.89E-01	-	-	2.20E+08	6.45E-03	-	-
TPHs												
EPA 8015 Mod Ex	Total Petroleum Hydrocarbons	mg/kg	23600	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8015 Mod Ex	TPH (C10-C20)	mg/kg	5370	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8015 Mod Ex	TPH (C20-C34)	mg/kg	18200	FAW-SB11(2-4)-103113	-	-	-	-	-	-	-	-
EPA 8015 Mod Pu	TPH (C06-C12)	mg/kg	398	FAW-MW02(2-4)-102913	-	-	-	-	-	-	-	-
Metals												
EPA 6010	Aluminum	mg/kg	17900	FAW-SB08(8-10)-110113	-	-	-	-	-	-	-	-
EPA 6010	Antimony	mg/kg	203	FAW-SB08(8-10)-110113	3.00E+01	6.77E+00	-	-	3.90E+02	5.21E-01	-	-
EPA 6010	Arsenic	mg/kg	107	FAW-SB05(2-4)-103113	2.10E+01	5.10E+00	6.70E+00	1.60E+01	4.20E+02	2.55E-01	6.40E+02	1.67E-01
EPA 6010	Barium	mg/kg	1360	FAW-SB08(8-10)-110113	1.50E+04	9.07E-02	-	-	1.20E+05	1.13E-02	-	-
EPA 6010	Beryllium	mg/kg	1.6	FAW-MW01(0-2)-102813	1.50E+02	1.07E-02	1.60E+04	1.00E-04	3.10E+03	5.16E-04	6.30E+04	2.54E-05
EPA 6010	Cadmium	mg/kg	67.8	FAW-SB08(8-10)-110113	7.20E+01	9.42E-01	2.20E+04	3.08E-03	1.60E+03	4.24E-02	8.30E+04	8.17E-04
EPA 6010	Chromium	mg/kg	284	FAW-SB05(2-4)-103113	2.30E+02	1.23E+00	3.30E+03	8.61E-02	1.50E+04	1.89E-02	1.30E+04	2.18E-02
EPA 6010	Cobalt	mg/kg	18.5	FAW-SB09(0-2)-110113	1.40E+03	1.32E-02	1.40E+04	1.32E-03	4.00E+03	4.63E-03	5.40E+04	3.43E-04
EPA 6010	Copper	mg/kg	1090	FAW-SB08(8-10)-110113	-	-	-	-	-	-	-	-
EPA 6010	Lead	mg/kg	8760	FAW-SB08(8-10)-110113	-	-	-	-	-	-	-	-
EPA 6010	Nickel	mg/kg	261	FAW-SB08(8-10)-110113	1.50E+03	1.74E-01	-	-	2.10E+04	1.24E-02	-	-
EPA 6010	Silver	mg/kg	6.1	FAW-MW01(0-2)-102813D	3.80E+02	1.61E-02	-	-	9.70E+03	6.29E-04	-	-
EPA 6010	Thallium	mg/kg	3	FAW-SB01(0-2)102813	6.10E+00	4.92E-01	-	-	1.60E+03	1.88E-03	-	-
EPA 6010	Vanadium	mg/kg	94.5	FAW-SB05(2-4)-103113	6.80E+02	1.39E-01	-	-	1.70E+04	5.56E-03	-	-
EPA 6010	Zinc	mg/kg	21000	FAW-SB08(8-10)-110113	2.30E+04	9.13E-01	-	-	5.80E+05	3.62E-02	-	-
EPA 7471	Mercury	mg/kg	2.8	FAW-MW01(0-2)-102813D	7.60E+00	3.68E-01	-	-	1.90E+02	1.47E-02	-	-
PCBs												
EPA 8082	PCB-1254 (Aroclor 1254)	ug/kg	516 J	FAW-MW03(2-4)-102913	-	-	-	-	-	-	-	-
EPA 8082	PCB-1260 (Aroclor 1260)	µg/kg	1760 J	FAW-SB08(8-10)-110113	-	-	-	-	-	-	-	-
EPA 8082	Total PCBs[2]	µg/kg	1760 J	FAW-SB08(8-10)-110113	1.20E+03	8.11E-01	4.00E+03	2.43E-01	4.20E+04	4.19E-02	2.30E+05	7.65E-03
					Cummulative Risk Ratio	**19.88**	**Cummulative Risk Ratio**	**908.97**	**Cummulative Risk Ratio**	**3.87**	**Cummulative Risk Ratio**	**14.53**

Notes:

[1]Only positively detected chemicals displayed

[2]Total PCBs value is the sum of all positively detected PCB aroclors

µg/kg = Micrograms per kilogram

CW = Construction Worker

ID = Identification

J = Result is estimated

mg/kg = Milligrams per kilogram

PCB = Polychlorinated biphenyl

SVOC = Semi-volatile organic compound

TPH = Total petroleum hydrocarbons

VOC = Volatile organic compound

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Table 6
Groundwater Analytical Results
Former Fulton Auto Wrecking Property
Cleveland, Cuyahoga County, Ohio

			Location ID	FAW-MW01	FAW-MW02	FAW-MW02	FAW-MW03
			Field Sample ID	FAW-MW01-110413	FAW-MW02-110413	FAW-MW02-110413D	FAW-MW03-110413
			Sample Date	11/4/2013	11/4/2013	11/4/2013	11/4/2013
Analytical Method	**Chemical Name[1]**	**Criteria Level[2]**	**Unit**				
VOCs							
EPA 8260	1,2,4-Trimethylbenzene	140	µg/L	5.0 U	5.0 U	2.9 J	5.0 U
SVOCs							
EPA 8270 by SIM	Acenaphthene	950	µg/L	1.0 U	1.0 U	1.0 U	0.73 J
EPA 8270 by SIM	Anthracene	4700	µg/L	0.10 U	0.10 U	0.10 U	0.21
EPA 8270 by SIM	Benzo(a)anthracene	0.63	µg/L	0.10 U	0.10 U	0.10 U	0.064 J
Metals							
EPA 6010	Aluminum	-	µg/L	1000 U	1000 U	1000 U	872 J
EPA 6010	Antimony	6	µg/L	4.0 J	6.0 U	6.0 U	6.0 U
EPA 6010	Barium	2000	µg/L	71.8 J	70.0 J	67.9 J	51.0 J
EPA 6010	Selenium	50	µg/L	5.2 J	10.0 U	10.0 U	10.0 U

Notes:

[1]Only positively detected chemicals displayed

[2]Ohio Voluntary Action Program Generic Unrestricted Potable Use Standards (based on Maximum Contaminant Levels or risk-derived)

- = Not available

µg/L = Micrograms per liter

ID = Identification

J = Result is estimated

PCB = Polychlorinated biphenyl

SVOC = Semivolatile organic compound

U = Parameter not detected, reporting limit is presented

VOC = Volatile organic compound

This document shall not be disclosed
without the express written permission of EPA.

Table 7
IDW Soil Analytical Results
Former Fulton Auto Wrecking Property
Cleveland, Cuyahoga County, Ohio

		Location ID	FAW-IDW01	FAW-IDW02	FAW-IDW03
		Field Sample ID	FAW-IDW01-102813	FAW-IDW02-102913	FAW-IDW03-110113
		Sample Date	10/28/2013	10/29/2013	11/1/2013
Analytical Method	**Chemical Name[1]**	**Unit**			
TCLP VOCs					
No detections of TCLP VOCs					
TCLP SVOCs					
No detections of TCLP SVOCs					
TCLP Pesticides					
No detections of TCLP Pesticides					
TCLP Metals					
EPA 6010	Arsenic, TCLP	mg/L	0.0054 J	0.013	0.1 U
EPA 6010	Barium, TCLP	mg/L	0.67	0.56	0.43 J
EPA 6010	Cadmium, TCLP	mg/L	0.0039 J	0.0031 J	0.054
EPA 6010	Chromium, TCLP	mg/L	0.01 U	0.014	0.1 U
EPA 6010	Lead, TCLP	mg/L	0.091	0.06	0.2
Miscellaneous Analyses					
ASTM D2974-87	Percent Moisture	%	-	13.4	-
EPA 1010	Flashpoint	°F	>180	>180	>180

Notes:

[1]Only positively detected chemicals displayed

°F = Degree Fahrenheit

> = Greater than

- = Not analyzed

% = Percent

ID = Identification

J = Result is estimated

mg/L = Milligrams per liter

SVOC = Semivolatile organic compound

TCLP = Toxicity Characteristic Leaching Procedure

U = Parameter not detected, reporting limit is presented

VOC = Volatile organic compound

This document shall not be disclosed
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Table 8
IDW Water Analytical Results
Former Fulton Auto Wrecking Property
Cleveland, Cuyahoga County, Ohio

		Location ID	FAW-IDW04	FAW-IDW05
		Field Sample ID	FAW-IDW04-110113	FAW-IDW05-110413
		Sample Date	11/1/2013	11/4/2013
Analytical Method	**Chemical Name[1]**	**Unit**		
VOCs				
EPA 8260	Ethylbenzene	µg/L	5.7	-
EPA 8260	Toluene	µg/L	109	-
EPA 8260	Xylene (Total)	µg/L	35.4	-
SVOCs				
No detections of SVOCs				
PCBS				
No detections of PCBs				
Metals				
EPA 6010	Arsenic	µg/L	14.6	-
EPA 6010	Barium	µg/L	78.5 J	-
EPA 6010	Chromium	µg/L	12.2	-
EPA 6010	Lead	µg/L	64	-

Notes:

[1]Only positively detected chemicals displayed
°F = Degree Fahrenheit
µg/L = Milligrams per liter
- = Not analyzed
% = Percent
ID = Identification
J = Result is estimated
PCB = Polychlorinated biphenyl
SVOC = Semivolatile organic compound
U = Parameter not detected, reporting limit is presented
VOC = Volatile organic compound

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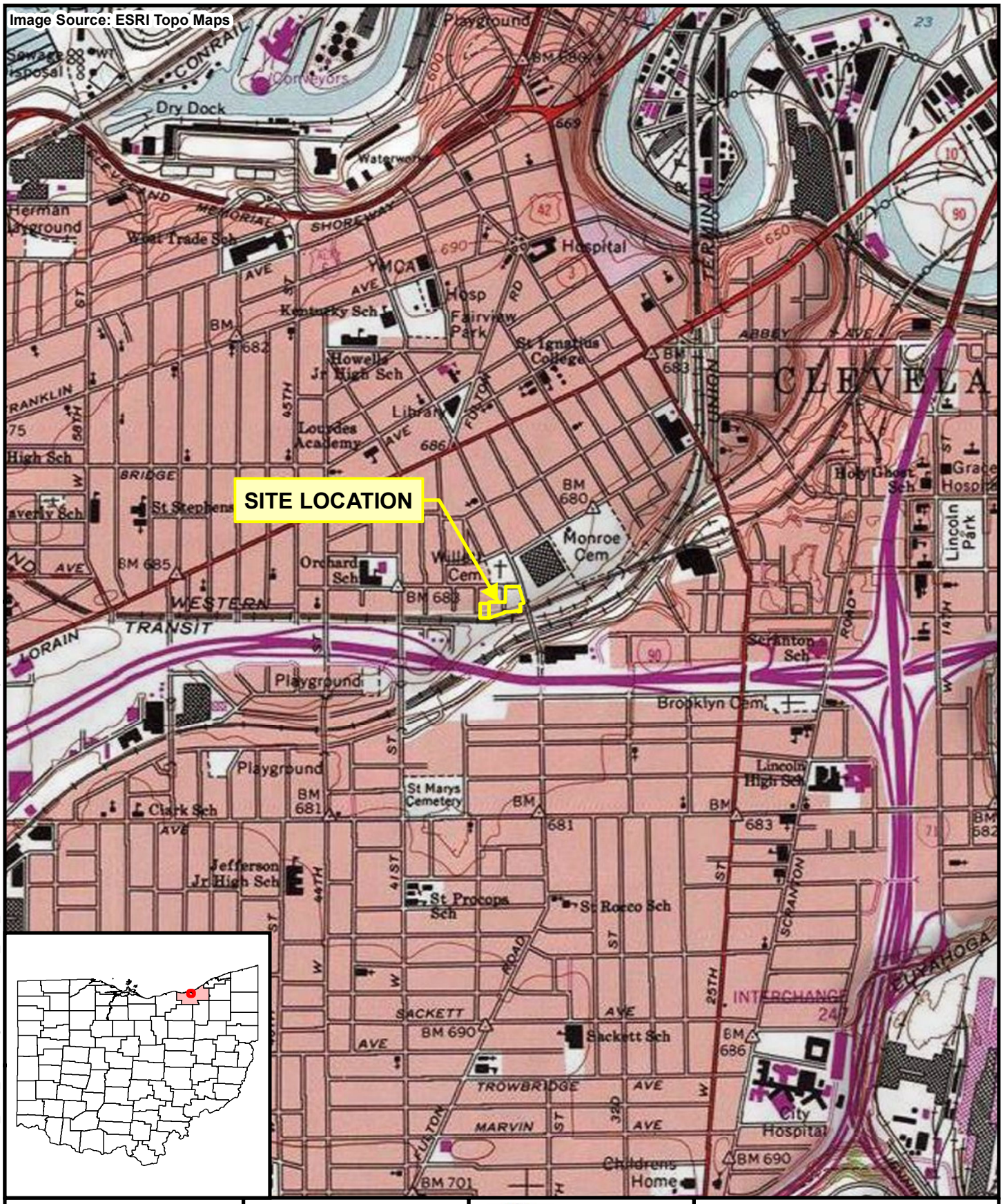
FIGURES



FILE: D:\Fulton_Auto_Wrecking\mxd\SAP\F1_Site_Location.mxd 1:47:15 PM 9/16/2013 wojdakon

Legend

Site Boundary

N

0 2,000 Feet

Prepared for:
U.S. EPA REGION V

Contract No.: EP-S5-06-04
TDD: S05-0008-1308-004
DCN: 2234-3A-BKVH

Prepared By:
WESTON SOLUTIONS, INC
711 E. Monument Avenue
Suite 201
Dayton, Ohio 45402

Figure 1
Site Location Map
Fulton Auto Wrecking Site
Cleveland, Cuyahoga County, Ohio

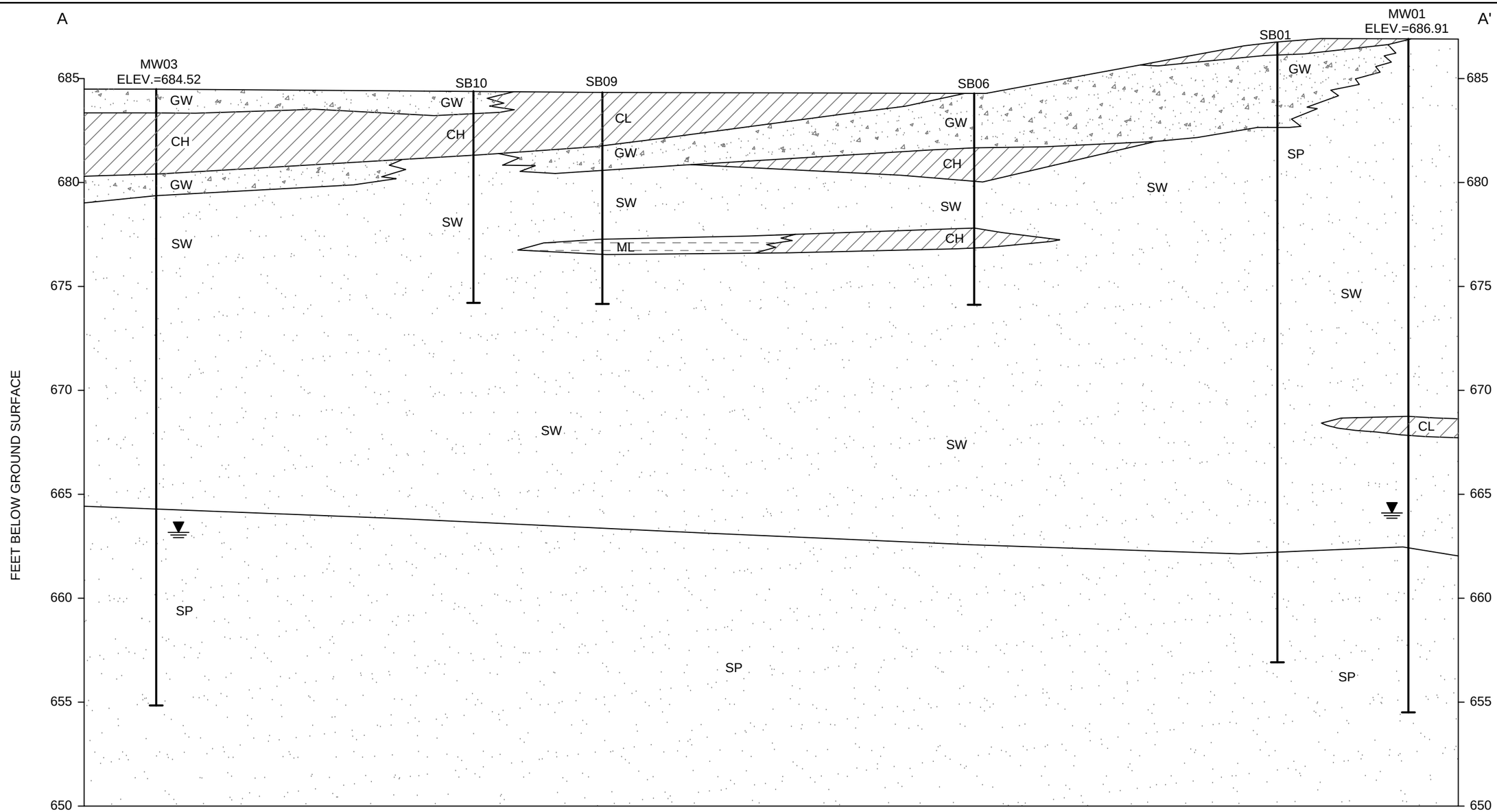
FILE: D:\Fulton_Auto_Wrecking\mxd\GPS_Locations.mxd 3:31:12 PM 11/21/2013 wojdakon

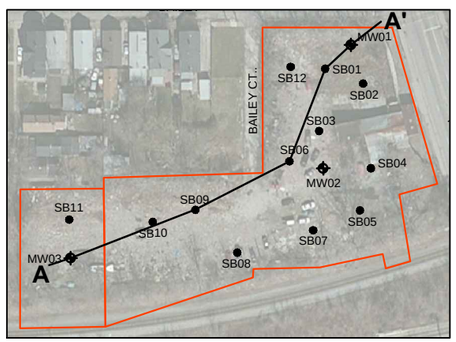
Prepared for:
U.S. EPA REGION V

Contract No.: EP-S5-06-04
TDD: S05-0008-1308-004
DCN: 2234-3A-BKVH

Prepared By:
WESTON SOLUTIONS, INC
711 E. Monument Avenue
Suite 201
Dayton, Ohio 45402

Figure 2
Investigative Locations Map
Fulton Auto Wrecking Site
Cleveland, Cuyahoga County, Ohio





KEY

LEGEND

- CLAY
- SILT
- SAND
- GRAVEL
- STATIC WATER LEVEL (10/31/13)

VERTICAL 5’ / 0’ — HORIZONTAL 50’

Prepared for:
U.S. EPA. REGION V
Contract No: EP-S5-06-04
TDD NO: S05-0008-1308-004
DCN: 2234-3A-BKVH

Prepared By:
WESTON SOLUTIONS, INC
711 E. Monument Avenue
Suite 201
Dayton, OH 45402

Figure 3
Geologic Cross Section
Former Fulton Auto Wrecking Property
2300 Fulton Road
Cleveland, Cuyahoga County, Ohio

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LEGEND

- SITE BOUNDARY
- MONITORING WELL
- GROUNDWATER FLOW DIRECTION
- 662.5 — POTENTIOMETRIC SURFACE CONTOUR
- 662.61 — GROUNDWATER ELEVATION

N

0 100'

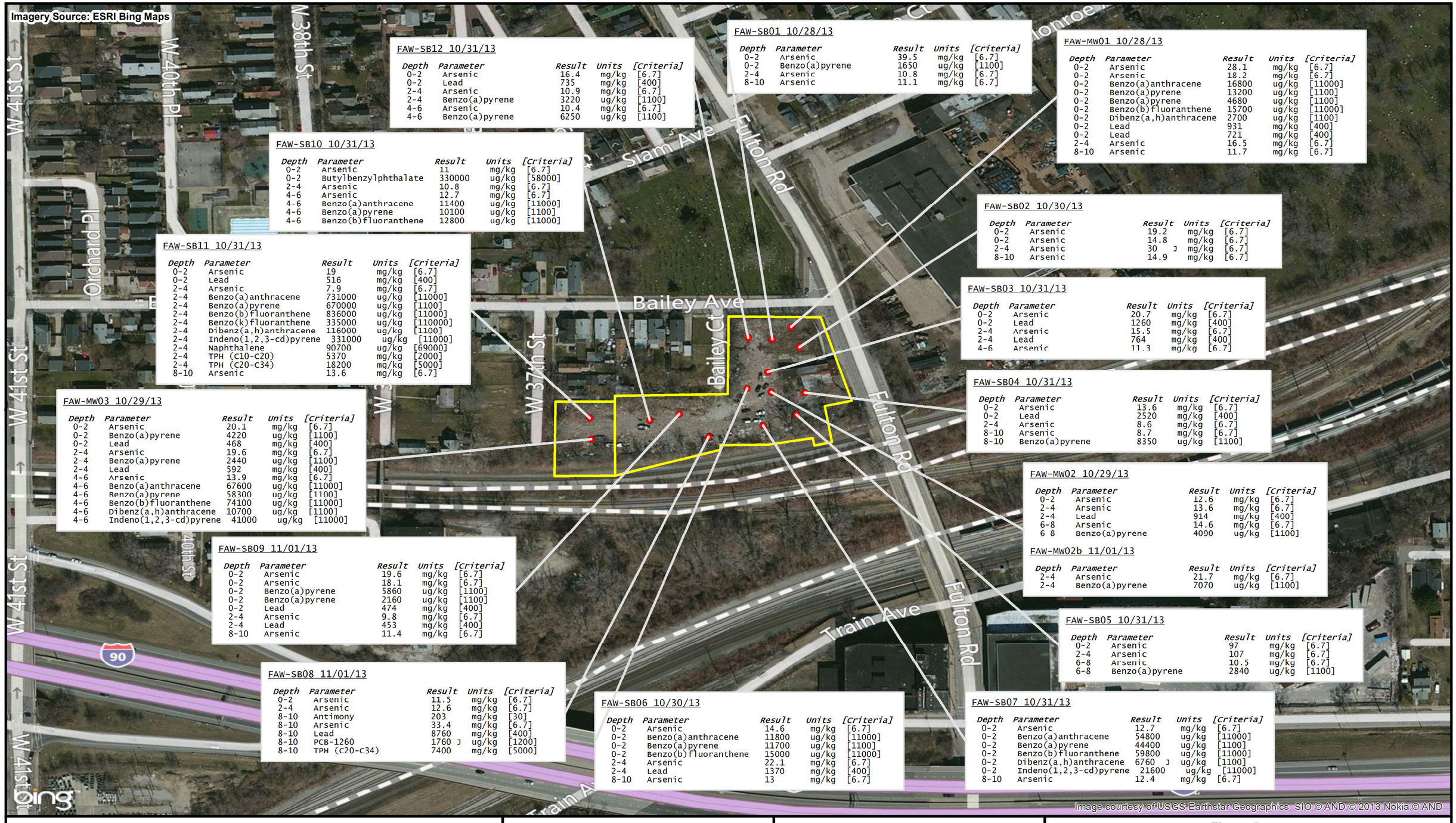
SCALE

Prepared for:
U.S. EPA. REGION V
Contract No: EP-S5-06-04
TDD NO: S05-0008-1308-004
DCN: 2234-3A-BKVH

Prepared By:
WESTON SOLUTIONS, INC
711 E. Monument Avenue
Suite 201
Dayton, OH 45402

Figure 4
Shallow Groundwater Potentiometric Surface Map
Former Fulton Auto Wrecking Property
2300 Fulton Road
Cleveland, Cuyahoga County, Ohio

J:\CAD93\000\09313.dwg, 1/6/2014 3:16:01 PM



FAW-SB12 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	16.4	mg/kg	[6.7]
0-2	Lead	735	mg/kg	[400]
2-4	Arsenic	10.9	mg/kg	[6.7]
2-4	Benzo(a)pyrene	3220	ug/kg	[1100]
4-6	Arsenic	10.4	mg/kg	[6.7]
4-6	Benzo(a)pyrene	6250	ug/kg	[1100]

FAW-SB01 10/28/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	39.5	mg/kg	[6.7]
0-2	Benzo(a)pyrene	1650	ug/kg	[1100]
2-4	Arsenic	10.8	mg/kg	[6.7]
8-10	Arsenic	11.1	mg/kg	[6.7]

FAW-MW01 10/28/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	28.1	mg/kg	[6.7]
0-2	Arsenic	18.2	mg/kg	[6.7]
0-2	Benzo(a)anthracene	16800	ug/kg	[11000]
0-2	Benzo(a)pyrene	13200	ug/kg	[1100]
0-2	Benzo(a)pyrene	4680	ug/kg	[1100]
0-2	Benzo(b)fluoranthene	15700	ug/kg	[11000]
0-2	Dibenz(a,h)anthracene	2700	ug/kg	[1100]
0-2	Lead	931	mg/kg	[400]
0-2	Lead	721	mg/kg	[400]
2-4	Arsenic	16.5	mg/kg	[6.7]
8-10	Arsenic	11.7	mg/kg	[6.7]

FAW-SB10 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	11	mg/kg	[6.7]
0-2	Butylbenzylphthalate	330000	ug/kg	[58000]
2-4	Arsenic	10.8	mg/kg	[6.7]
4-6	Arsenic	12.7	mg/kg	[6.7]
4-6	Benzo(a)anthracene	11400	ug/kg	[11000]
4-6	Benzo(a)pyrene	10100	ug/kg	[1100]
4-6	Benzo(b)fluoranthene	12800	ug/kg	[11000]

FAW-SB02 10/30/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	19.2	mg/kg	[6.7]
0-2	Arsenic	14.8	mg/kg	[6.7]
2-4	Arsenic	30 J	mg/kg	[6.7]
8-10	Arsenic	14.9	mg/kg	[6.7]

FAW-SB11 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	19	mg/kg	[6.7]
0-2	Lead	516	mg/kg	[400]
2-4	Arsenic	7.9	mg/kg	[6.7]
2-4	Benzo(a)anthracene	731000	ug/kg	[11000]
2-4	Benzo(a)pyrene	670000	ug/kg	[1100]
2-4	Benzo(b)fluoranthene	836000	ug/kg	[11000]
2-4	Benzo(k)fluoranthene	335000	ug/kg	[110000]
2-4	Dibenz(a,h)anthracene	116000	ug/kg	[1100]
2-4	Indeno(1,2,3-cd)pyrene	331000	ug/kg	[11000]
2-4	Naphthalene	90700	ug/kg	[69000]
2-4	TPH (C10-C20)	5370	mg/kg	[2000]
2-4	TPH (C20-C34)	18200	mg/kg	[5000]
8-10	Arsenic	13.6	mg/kg	[6.7]

FAW-SB03 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	20.7	mg/kg	[6.7]
0-2	Lead	1260	mg/kg	[400]
2-4	Arsenic	15.5	mg/kg	[6.7]
2-4	Lead	764	mg/kg	[400]
4-6	Arsenic	11.3	mg/kg	[6.7]

FAW-MW03 10/29/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	20.1	mg/kg	[6.7]
0-2	Benzo(a)pyrene	4220	ug/kg	[1100]
0-2	Lead	468	mg/kg	[400]
2-4	Arsenic	19.6	mg/kg	[6.7]
2-4	Benzo(a)pyrene	2440	ug/kg	[1100]
2-4	Lead	592	mg/kg	[400]
4-6	Arsenic	13.9	mg/kg	[6.7]
4-6	Benzo(a)anthracene	67600	ug/kg	[11000]
4-6	Benzo(a)pyrene	58300	ug/kg	[1100]
4-6	Benzo(b)fluoranthene	74100	ug/kg	[11000]
4-6	Dibenz(a,h)anthracene	10700	ug/kg	[1100]
4-6	Indeno(1,2,3-cd)pyrene	41000	ug/kg	[11000]

FAW-SB04 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	13.6	mg/kg	[6.7]
0-2	Lead	2520	mg/kg	[400]
2-4	Arsenic	8.6	mg/kg	[6.7]
8-10	Arsenic	8.7	mg/kg	[6.7]
8-10	Benzo(a)pyrene	8350	ug/kg	[1100]

FAW-MW02 10/29/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	12.6	mg/kg	[6.7]
2-4	Arsenic	13.6	mg/kg	[6.7]
2-4	Lead	914	mg/kg	[400]
6-8	Arsenic	14.6	mg/kg	[6.7]
6 8	Benzo(a)pyrene	4090	ug/kg	[1100]

FAW-MW02b 11/01/13

Depth	Parameter	Result	Units	[Criteria]
2-4	Arsenic	21.7	mg/kg	[6.7]
2-4	Benzo(a)pyrene	7070	ug/kg	[1100]

FAW-SB09 11/01/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	19.6	mg/kg	[6.7]
0-2	Arsenic	18.1	mg/kg	[6.7]
0-2	Benzo(a)pyrene	5860	ug/kg	[1100]
0-2	Benzo(a)pyrene	2160	ug/kg	[1100]
0-2	Lead	474	mg/kg	[400]
2-4	Arsenic	9.8	mg/kg	[6.7]
2-4	Lead	453	mg/kg	[400]
8-10	Arsenic	11.4	mg/kg	[6.7]

FAW-SB05 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	97	mg/kg	[6.7]
2-4	Arsenic	107	mg/kg	[6.7]
6-8	Arsenic	10.5	mg/kg	[6.7]
6-8	Benzo(a)pyrene	2840	ug/kg	[1100]

FAW-SB08 11/01/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	11.5	mg/kg	[6.7]
2-4	Arsenic	12.6	mg/kg	[6.7]
8-10	Antimony	203	mg/kg	[30]
8-10	Arsenic	33.4	mg/kg	[6.7]
8-10	Lead	8760	mg/kg	[400]
8-10	PCB-1260	1760 J	ug/kg	[1200]
8-10	TPH (C20-C34)	7400	mg/kg	[5000]

FAW-SB06 10/30/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	14.6	mg/kg	[6.7]
0-2	Benzo(a)anthracene	11800	ug/kg	[11000]
0-2	Benzo(a)pyrene	11700	ug/kg	[1100]
0-2	Benzo(b)fluoranthene	15000	ug/kg	[11000]
2-4	Arsenic	22.1	mg/kg	[6.7]
2-4	Lead	1370	mg/kg	[400]
8-10	Arsenic	13	mg/kg	[6.7]

FAW-SB07 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	12.7	mg/kg	[6.7]
0-2	Benzo(a)anthracene	54800	ug/kg	[11000]
0-2	Benzo(a)pyrene	44400	ug/kg	[1100]
0-2	Benzo(b)fluoranthene	59800	ug/kg	[11000]
0-2	Dibenz(a,h)anthracene	6760 J	ug/kg	[1100]
0-2	Indeno(1,2,3-cd)pyrene	21600	ug/kg	[11000]
8-10	Arsenic	12.4	mg/kg	[6.7]

Legend

- Sampling Locations - At Least One Exceedance
- Sampling Locations - No Exceedances
- Site Boundary

0 200 Feet

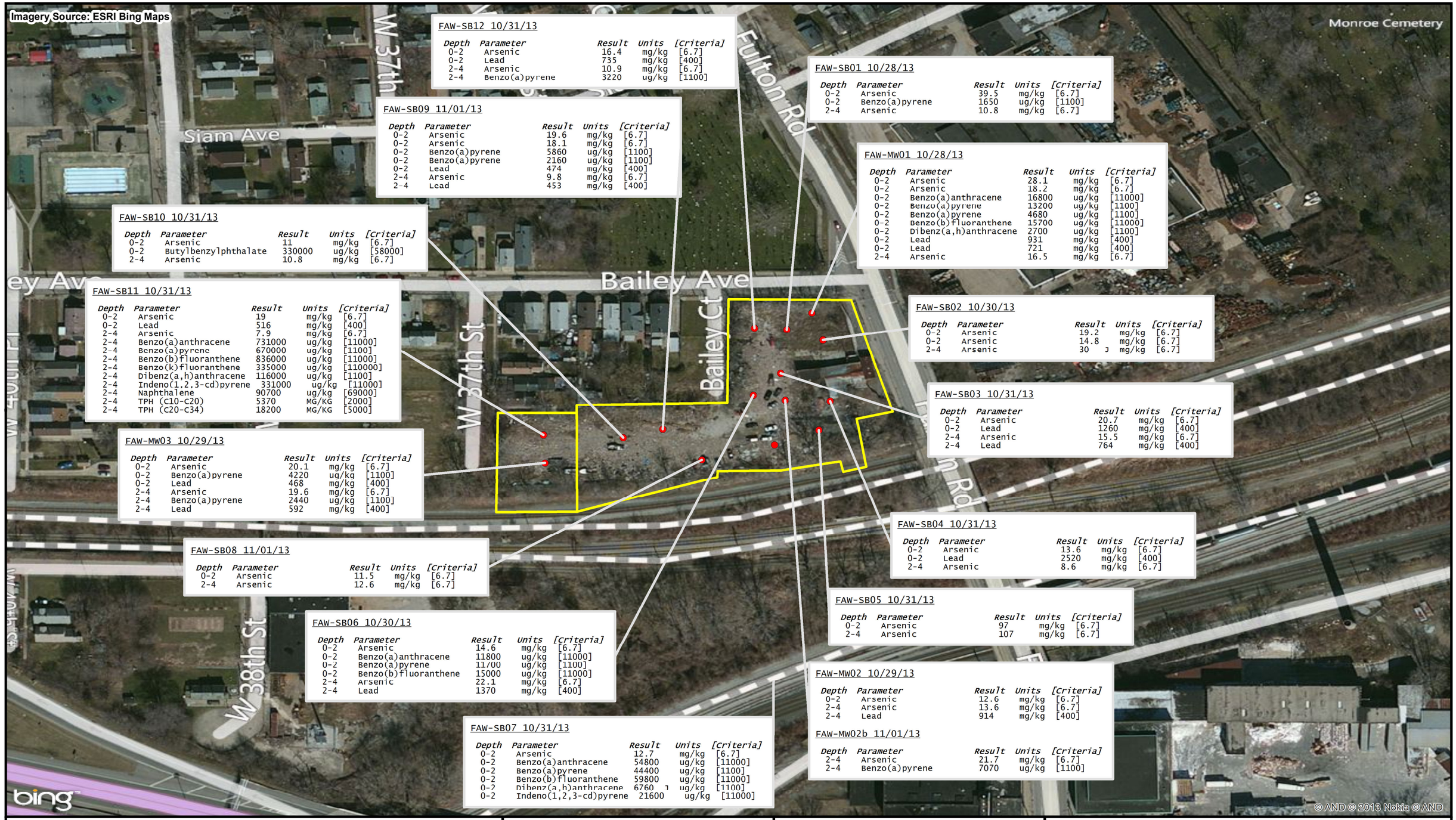
N

Prepared for:
U.S. EPA REGION V
Contract No.: EP-S5-06-04
TDD: S05-0008-1308-004
DCN: 2234-3A-BKVH

Prepared By:
WESTON SOLUTIONS, INC.
711 E. Monument Avenue
Suite 201
Dayton, Ohio 45402

Figure 5
Soil Sampling Results (0-10 ft bgs) Exceeding
VAP Residential Generic Direct Contact Soil Standards
Fulton Auto Wrecking Site
Cleveland, Cuyahoga County, Ohio

FILE: D:\Fulton_Auto_Wrecking\mxd\Report\F5_SO_Exceeds_Res0-10.mxd 1/2/2014 2:55:50 PM wojdak



FAW-SB12 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	16.4	mg/kg	[6.7]
0-2	Lead	735	mg/kg	[400]
2-4	Arsenic	10.9	mg/kg	[6.7]
2-4	Benzo(a)pyrene	3220	ug/kg	[1100]

FAW-SB09 11/01/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	19.6	mg/kg	[6.7]
0-2	Arsenic	18.1	mg/kg	[6.7]
0-2	Benzo(a)pyrene	5860	ug/kg	[1100]
0-2	Benzo(a)pyrene	2160	ug/kg	[1100]
0-2	Lead	474	mg/kg	[400]
2-4	Arsenic	9.8	mg/kg	[6.7]
2-4	Lead	453	mg/kg	[400]

FAW-SB10 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	11	mg/kg	[6.7]
0-2	Butylbenzylphthalate	330000	ug/kg	[58000]
2-4	Arsenic	10.8	mg/kg	[6.7]

FAW-SB11 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	19	mg/kg	[6.7]
0-2	Lead	516	mg/kg	[400]
2-4	Arsenic	7.9	mg/kg	[6.7]
2-4	Benzo(a)anthracene	731000	ug/kg	[11000]
2-4	Benzo(a)pyrene	670000	ug/kg	[1100]
2-4	Benzo(b)fluoranthene	836000	ug/kg	[11000]
2-4	Benzo(k)fluoranthene	335000	ug/kg	[110000]
2-4	Dibenz(a,h)anthracene	116000	ug/kg	[1100]
2-4	Indeno(1,2,3-cd)pyrene	331000	ug/kg	[11000]
2-4	Naphthalene	90700	ug/kg	[69000]
2-4	TPH (C10-C20)	5370	MG/KG	[2000]
2-4	TPH (C20-C34)	18200	MG/KG	[5000]

FAW-MW03 10/29/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	20.1	mg/kg	[6.7]
0-2	Benzo(a)pyrene	4220	ug/kg	[1100]
0-2	Lead	468	mg/kg	[400]
2-4	Arsenic	19.6	mg/kg	[6.7]
2-4	Benzo(a)pyrene	2440	ug/kg	[1100]
2-4	Lead	592	mg/kg	[400]

FAW-SB08 11/01/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	11.5	mg/kg	[6.7]
2-4	Arsenic	12.6	mg/kg	[6.7]

FAW-SB06 10/30/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	14.6	mg/kg	[6.7]
0-2	Benzo(a)anthracene	11800	ug/kg	[11000]
0-2	Benzo(a)pyrene	11700	ug/kg	[1100]
0-2	Benzo(b)fluoranthene	15000	ug/kg	[11000]
2-4	Arsenic	22.1	mg/kg	[6.7]
2-4	Lead	1370	mg/kg	[400]

FAW-SB07 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	12.7	mg/kg	[6.7]
0-2	Benzo(a)anthracene	54800	ug/kg	[11000]
0-2	Benzo(a)pyrene	44400	ug/kg	[1100]
0-2	Benzo(b)fluoranthene	59800	ug/kg	[11000]
0-2	Dibenz(a,h)anthracene	6760 J	ug/kg	[1100]
0-2	Indeno(1,2,3-cd)pyrene	21600	ug/kg	[11000]

FAW-SB01 10/28/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	39.5	mg/kg	[6.7]
0-2	Benzo(a)pyrene	1650	ug/kg	[1100]
2-4	Arsenic	10.8	mg/kg	[6.7]

FAW-MW01 10/28/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	28.1	mg/kg	[6.7]
0-2	Arsenic	18.2	mg/kg	[6.7]
0-2	Benzo(a)anthracene	16800	ug/kg	[11000]
0-2	Benzo(a)pyrene	13200	ug/kg	[1100]
0-2	Benzo(a)pyrene	4680	ug/kg	[1100]
0-2	Benzo(b)fluoranthene	15700	ug/kg	[11000]
0-2	Dibenz(a,h)anthracene	2700	ug/kg	[1100]
0-2	Lead	931	mg/kg	[400]
0-2	Lead	721	mg/kg	[400]
2-4	Arsenic	16.5	mg/kg	[6.7]

FAW-SB02 10/30/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	19.2	mg/kg	[6.7]
0-2	Arsenic	14.8	mg/kg	[6.7]
2-4	Arsenic	30 J	mg/kg	[6.7]

FAW-SB03 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	20.7	mg/kg	[6.7]
0-2	Lead	1260	mg/kg	[400]
2-4	Arsenic	15.5	mg/kg	[6.7]
2-4	Lead	764	mg/kg	[400]

FAW-SB04 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	13.6	mg/kg	[6.7]
0-2	Lead	2520	mg/kg	[400]
2-4	Arsenic	8.6	mg/kg	[6.7]

FAW-SB05 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	97	mg/kg	[6.7]
2-4	Arsenic	107	mg/kg	[6.7]

FAW-MW02 10/29/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	12.6	mg/kg	[6.7]
2-4	Arsenic	13.6	mg/kg	[6.7]
2-4	Lead	914	mg/kg	[400]

FAW-MW02b 11/01/13

Depth	Parameter	Result	Units	[Criteria]
2-4	Arsenic	21.7	mg/kg	[6.7]
2-4	Benzo(a)pyrene	7070	ug/kg	[1100]

Legend

- Sampling Locations - At Least One Exceedance
- Sampling Locations - No Exceedances
- Site Boundary

0 150 Feet

N

Prepared for:
U.S. EPA REGION V
Contract No.: EP-S5-06-04
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711 E. Monument Avenue
Suite 201
Dayton, Ohio 45402

Figure 6
Soil Sampling Results (0-4 ft bgs) Exceeding
VAP Residential Generic Direct Contact Soil Standards
Fulton Auto Wrecking Site
Cleveland, Cuyahoga County, Ohio

FILE: D:\Fulton_Auto_Wrecking\mxd\Report\F6_SO_Exceeds_Res.mxd 1/2/2014 12:34:03 PM wojdakon

Imagery Source: ESRI Bing Maps

FAW-SB06 10/30/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Benzo(a)pyrene	11700	ug/kg	[7700]

FAW-SB10 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Butylbenzylphthalate	330000	ug/kg	[58000]

FAW-SB11 10/31/13

Depth	Parameter	Result	Units	[Criteria]
2-4	Benzo(a)anthracene	731000	ug/kg	[76000]
2-4	Benzo(a)pyrene	670000	ug/kg	[7700]
2-4	Benzo(b)fluoranthene	836000	ug/kg	[77000]
2-4	Dibenz(a,h)anthracene	116000	ug/kg	[7700]
2-4	Indeno(1,2,3-cd)pyrene	331000	ug/kg	[77000]
2-4	TPH (C10-C20)	5370	mg/kg	[2000]
2-4	TPH (C20-C34)	18200	mg/kg	[5000]

FAW-MW01 10/28/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Benzo(a)pyrene	13200	ug/kg	[7700]

FAW-SB12
FAW-SB01
FAW-SB02
FAW-SB03
FAW-MW02
FAW-SB09
FAW-SB08
FAW-MW03

FAW-SB04 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Lead	2520	mg/kg	[1800]

FAW-SB05 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Arsenic	97	mg/kg	[82]
2-4	Arsenic	107	mg/kg	[82]

FAW-SB07 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Benzo(a)pyrene	44400	ug/kg	[7700]

Siam Ave
W 37th St
W 36th St
Ct
Siam Ave
Fulton Rd
Monroe Cemete
iley Ave
Bailey Ave
Bailey Ct
W 40th Pl
W 40th St
W 38th St
Train Ave
Fulton Rd
bing
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Legend

- Sampling Locations - At Least One Exceedance
- Sampling Locations - No Exceedances
- Site Boundary

0 150 Feet

N

Prepared for:
U.S. EPA REGION V
Contract No.: EP-S5-06-04
TDD: S05-0008-1308-004
DCN: 2234-3A-BKVH

Prepared By:
WESTON SOLUTIONS, INC.
711 E. Monument Avenue
Suite 201
Dayton, Ohio 45402

Figure 7
Soil Sampling Results (0-4 ft bgs) Exceeding
VAP Commercial/Industrial Generic Direct Contact Soil Standards
Fulton Auto Wrecking Site
Cleveland, Cuyahoga County, Ohio

FILE: D:\Fulton_Auto_Wrecking\mxd\Report\F7_SO_Exceeds_CI.mxd 1/2/2014 12:39:56 PM wojdakon

Imagery Source: ESRI Bing Maps

FAW-MW01 10/28/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Lead	931	mg/kg	[750]

FAW-SB06 10/30/13

Depth	Parameter	Result	Units	[Criteria]
2-4	Lead	1370	mg/kg	[750]

FAW-SB11 10/31/13

Depth	Parameter	Result	Units	[Criteria]
2-4	Benzo(a)anthracene	731000	ug/kg	[680000]
2-4	Benzo(a)pyrene	670000	ug/kg	[69000]
2-4	Benzo(b)fluoranthene	836000	ug/kg	[690000]
2 4	Dibenz(a,h)anthracene	116000	ug/kg	[69000]
2-4	Naphthalene	90700	ug/kg	[84000]
2-4	TPH (C10-C20)	5370	mg/kg	[2000]
2-4	TPH (C20-C34)	18200	mg/kg	[5000]

FAW SB03 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Lead	1260	mg/kg	[750]
2-4	Lead	764	mg/kg	[750]

FAW-SB04 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Lead	2520	mg/kg	[750]

FAW-MW02 10/29/13

Depth	Parameter	Result	Units	[Criteria]
2-4	1,2,4-Trimethylbenzene	39.8		[35]
2-4	Lead	914	mg/kg	[750]

FAW-SB08 11/01/13

Depth	Parameter	Result	Units	[Criteria]
8-10	Lead	8760	mg/kg	[750]
8-10	TPH (C20-C34)	7400		[5000]

FAW-SB10 10/31/13

Depth	Parameter	Result	Units	[Criteria]
0-2	Butylbenzylphthalate	330000	ug/kg	[58000]

FAW-SB12
FAW-SB01
FAW-SB02
FAW-SB09
FAW-SB05
FAW-SB07
FAW-MW03

Monroe Cemetery
Siam Ave
W 37th St
W 36th St
Fulton Rd
Bailey Ave
Bailey Ct
W 38th St
Train Ave

bing™
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FILE: D:\Fulton_Auto_Wrecking\mxd\Report\F8_SO_Exceeds_CW.mxd 1/2/2014 12:43:55 PM wojdakon

Legend

- Sampling Locations - At Least One Exceedance
- Sampling Locations - No Exceedances
- Site Boundary

0 150 Feet

N

Prepared for:
U.S. EPA REGION V
Contract No.: EP-S5-06-04
TDD: S05-0008-1308-004
DCN: 2234-3A-BKVH

Prepared By:
WESTON SOLUTIONS, INC.
711 E. Monument Avenue
Suite 201
Dayton, Ohio 45402

Figure 8
Soil Sampling Results (0-10 ft bgs) Exceeding
VAP Construction Worker Generic Direct Contact Soil Standards
Fulton Auto Wrecking Site
Cleveland, Cuyahoga County, Ohio

APPENDIX A
GEOPHYSICAL SURVEY REPORT

Geophysical Survey

2300 Fulton Road, Cleveland, Ohio.

Prepared For

Weston Solutions, Inc.

711 East Monument Avenue, Ste. 201
Dayton, OH 45402

By

TERENCE M. HAMILL

October 30, 2013

GeoSearches, Inc.

200 Industrial Parkway, Suite 6B

Chagrin Falls, Ohio 44022

October 30, 2013

Laura Funk, CP
Weston Solutions, Inc.
711 East Monument Ave, Suite 201
Dayton, OH 45402

SUBJECT: Geophysical Survey-2300 Fulton Road, Cleveland, Ohio.

Mr. Holland,

GeoSearches, Inc has completed the Geophysical survey dated October 24, at the designated site at 2300 Fulton Road, Cleveland, Ohio.

This Full Report presents the results regarding the targeted survey, an Electromagnetic and Ground Penetrating Radar survey to detect if orphaned Underground Storage Tanks exist within the 2 client designated areas.

If you have further questions please contact GeoSearches, Inc and it has been a pleasure working with you on this project.

Best regard's,

Terence M. Hamill
President / Principal Geophysicist
GeoSearches, Inc.

Table of Contents

Section One: Site and Project Description

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Part Two: Processing Page 7

Part Three: Interpretation and Data Quality Page 8

Section Two: Discussion & Interpretation

Part One: Discussion Page 10

Part Two: Interpretation Page 10

Section Three: Results

Data Samples Page 12

Results Page 15

Conclusion Page 17

Section One

SITE & PROJECT DESCRIPTION

Introduction:

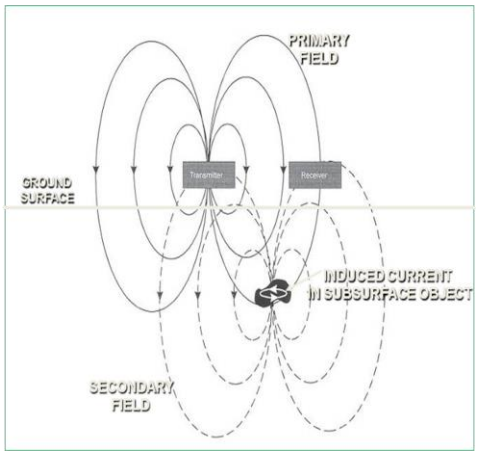
GeoSearches, Inc. was retained by Weston Solutions, Inc. to conduct a comprehensive EM and GPR Geophysical Survey at 2300 Fulton Road in Cleveland, Ohio.

The object of the survey was to determine the location of possible orphaned Underground Storage Tanks.

The non-intrusive, subsurface investigation was conducted using Electromagnetics and Ground Penetrating Radar.

The EM61-MK2 consists of two 1-meter (m) by 0.5m rectangular coils arranged such that the source/receiver coil is located 40 centimeters (cm) below a second receiver coil. An electromagnetic pulse induces subsurface eddy currents with associated secondary magnetic fields. The decay of the secondary magnetic fields induced in subsurface materials is measured by the receiver coil(s) and digitally recorded.

Ground Penetrating Radar (GPR) GPR detects subsurface structures by transmitting radio frequency waves into the ground and monitoring the strength and time delay of the reflection. The returning signal can then be evaluated to locate subsurface anomalies. Anomalies can be caused by void spaces, differences in soil/bedrock texture, differences in soil/bedrock moisture content, differences in the sediment compaction, and the presence of subsurface structures such as pipelines.



Part One: Method

Before fieldwork was started, historical data and detailed diagrams were reviewed to provide background information on the site.

An instrument verification strip (IVS) was conducted over a known area with surface targets. This was conducted over the area that is known that was well representative of the expected targets. The objective of the IVS is to verify that the geophysical detection system is operating properly. The IVS targets should be observed in the data with signals that are consistent with both historical measurements and physics-based model predictions. Adjacent measurements of the site noise determine whether targets of interest can be detected reliably to their depth of interest under the site conditions.

A preliminary, straight-line EM and GPR survey was conducted at the beginning of the investigation, establishing the typical response based on the site geology and subsurface structures. The survey was conducted by moving the EM and GPR equipment along the grid lines in two, perpendicular directions. The EM and GPR data were reviewed in the field before processing.

The survey was conducted using a Geonics EM61MK 2 and a Noggin GPR from Sensors and Software, Inc., with a 250MHz antenna. The data were acquired using the common-offset reflection profiling method. The depth of penetration ranged from 0 to 12 feet below the surface.

Part Two: Processing

This included the data processing procedures and interpretation of results based on the geophysical information collected during the geophysical survey. All data lines and anomalies were uploaded.

At the end of the field day the field geophysicist uploaded the data to the office computer, where the data was archived, backed-up, and processed and analyzed. The data processing sequence included verifying the validity of the data using the performance metrics, assessment of the track path and spatial sample density, latency correction, data leveling, and color-coded image generation utilizing software from the equipment manufacturers. Subsequent to the processing and review of the data, color-coded images of the geophysical sensor data were created for review.

The Ground Penetrating Radar data was processed by applying filters and gains to better define the anomalies of interest. Tools used to process the data and improve image quality included SPIVIEW TOOLS and WIN EKKO software from Sensors and Software, Inc.

Once each data survey is loaded and the grid properly oriented spatially, a short (3-sample) temporal median trim filter is applied to each GPR trace (one gridline) to attenuate noise spikes that degrades the data quality. A residual median filter is then applied to attenuate the wow (Short range GPR signals often possess a low-frequency component, commonly referred to as a "wow" that causes amplitude distortion along an individual trace), this filtering attenuates both the low and high frequency components of the wow, without adding precursors or other artifacts to the wavelet.

Time zero determination and datuming is also performed.

The data is then processed by applying amplitude compensation. For each GPR survey line, the rectified-amplitude versus time fall-off is determined. The inverse of this curve is scaled by a multiplier (0.3) to form the gain function. The multiplier is used to slightly reduce the gain function so that anomalously high amplitude values are not clipped after amplitude compensation.

Part Three: Interpretation and data quality

After completion of the data processing, each GPR and EM reflection image was evaluated to:

(1) evaluate the GPR and EM penetration depth and resolution of the data collected at 250MHz and compare reflection character of the two, perpendicular line orientations; and

(2) Interpret GPR and EM reflections and image patterns as bounding surfaces and architectural elements in profile.

Geophysical Equipment on site

Section Two

CONDITIONS and OBJECTIVE

Part One: Conditions

The GPR site conditions included:

- The survey area was 80% accessible and covered all areas of interest. The weather was cool and wet.
- Project area consisted of thick grass areas, trees, bushes concrete and a constant layer of debris.

Part Two: Objective

The primary objectives of the Geophysical survey were to provide subsurface data to determine the possible existence of Underground Storage Tanks

Section Three

RESULTS

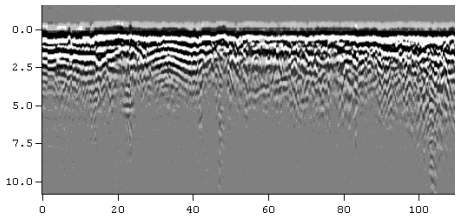


FIGURE 1

GEOPHYSICAL DATA COLLECTION AREAS
2300 FULTON ROAD, CLEVELAND, OHIO.

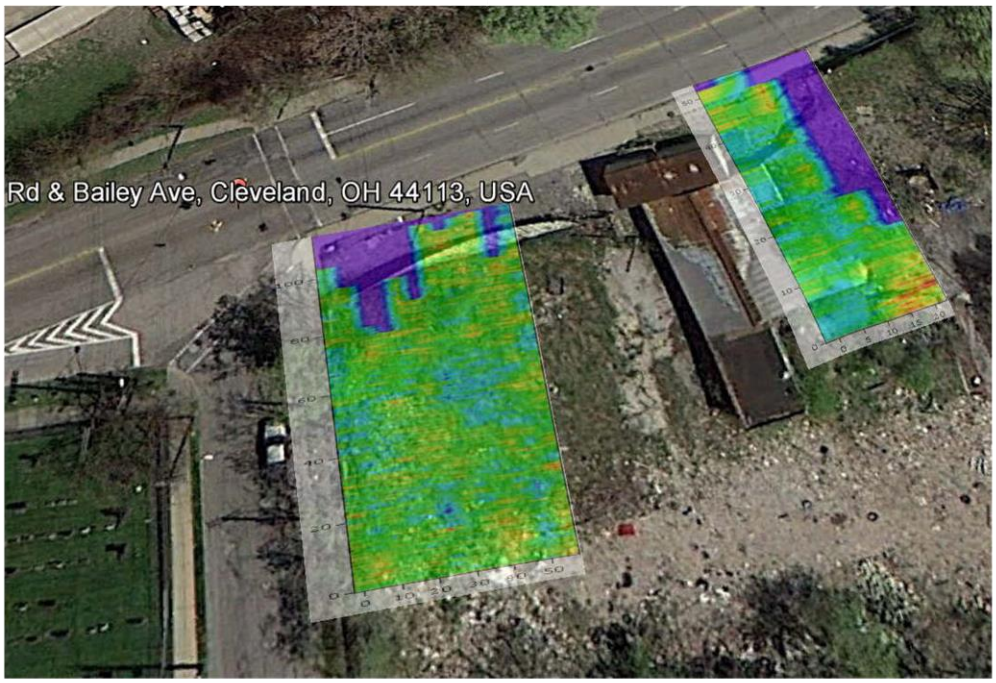
GEOSEARCHES

TEL: 440 893-0642
FAX: 440 893-4023

Project Designer:	
WESTON SOLUTIONS, INC..	
Project Contact:	
GeoSearches, Inc.	
Project #	WO#
FULTON ROAD	
Date:	Rev. Date:
10/242013	

FIGURE 2

GEOPHYSICAL DATA - PROCESSED PLAN VIEW
2300 FULTON ROAD, CLEVELAND, OHIO.



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TEL: 440 893-0642
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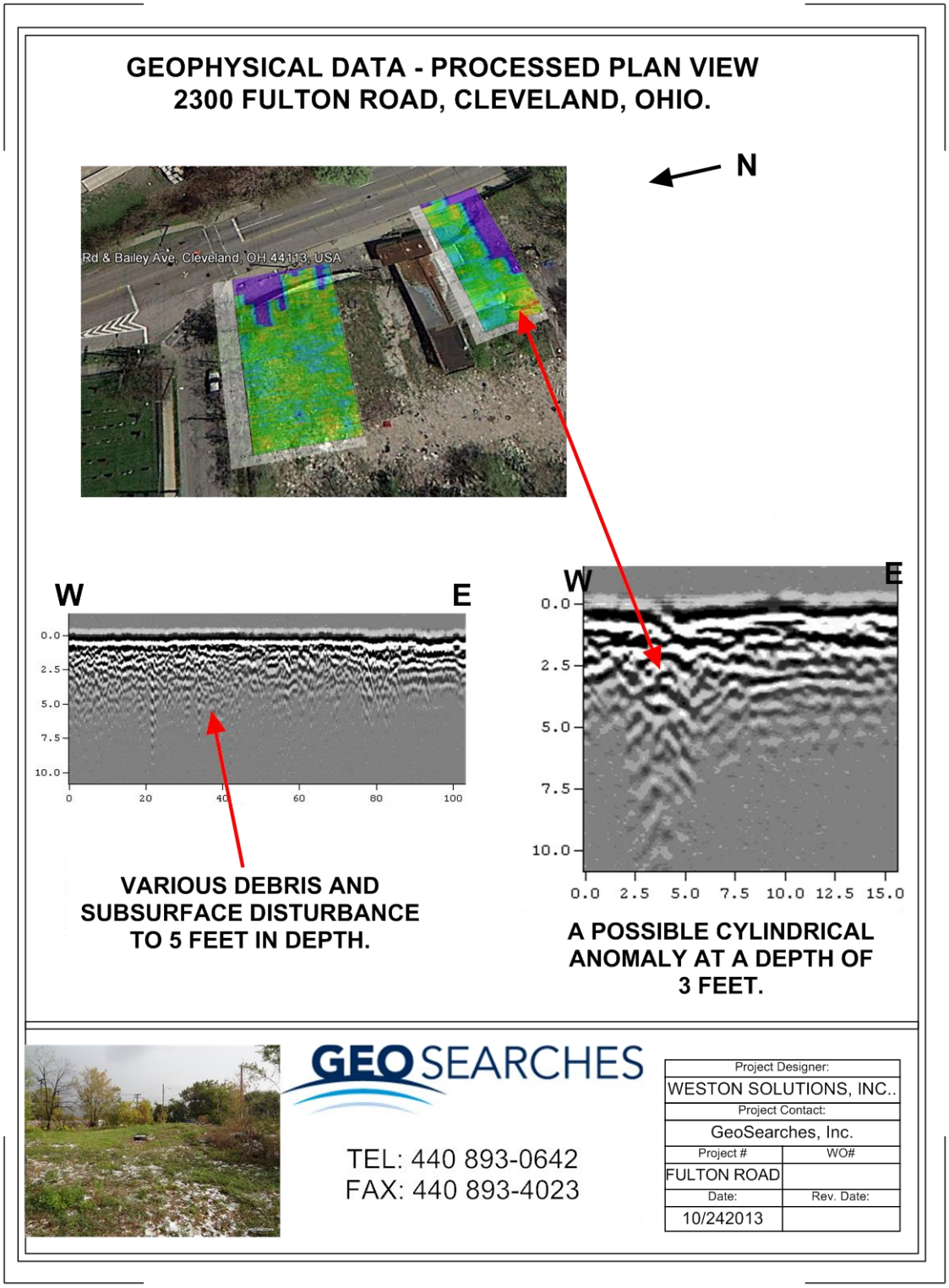
WESTON SOLUTIONS, INC..	
Project Contact:	
GeoSearches, Inc.	
Project #	WO#
FULTON ROAD	
Date:	Rev. Date:
10/242013	

FIGURE 3


GEOPHYSICAL DATA - PROCESSED PLAN VIEW
2300 FULTON ROAD, CLEVELAND, OHIO.
N
Rd & Bailey Ave, Cleveland, OH 44113, USA
W
E
0.0
2.5
5.0
7.5
10.0
0
20
40
60
80
100
VARIOUS DEBRIS AND SUBSURFACE DISTURBANCE TO 5 FEET IN DEPTH.
W
E
0.0
2.5
5.0
7.5
10.0
0.0 2.5 5.0 7.5 10.0 12.5 15.0
A POSSIBLE CYLINDRICAL ANOMALY AT A DEPTH OF 3 FEET.
GEOSEARCHES
TEL: 440 893-0642
FAX: 440 893-4023
Project Designer:
WESTON SOLUTIONS, INC..
Project Contact:
GeoSearches, Inc.
Project #
WO#
FULTON ROAD
Date:
Rev. Date:
10/242013

Results

As you can see in **Figure 2** the processed data presents the information as a time verses velocity model, which means how long each pulse of electromagnetics takes to penetrate the roadway and return to the surface.

The geophysical representation is by color standard which in this case yellow, green and blue being of slower velocity with consistency and the red color representing areas of higher velocity. An Underground Storage Tank will be represented by red in this case.
Please note that the purple color indicates the areas that could not be scanned due to tree, bushes, rubble and various debris that interfered with the geophysical equipment and the data collection.

The object of the Geophysical survey was to detect if any Underground Storage Tanks exist beneath the designated 2 areas at 2300 Fulton Road in Cleveland, Ohio.

During the survey it was physically possible to feel and see the undulation of the surface. Historical repairs have taken place before due to the subsurface water main break.

The study area was in 2 grid sections with each grid running west to east.

The larger data grid to the north had measurements of 110 feet in length with a width of 55 feet.

The smaller grid to the south measured 55 feet in length with a width of 20 feet.

The data was collected along lines with 5 feet intervals between the lines.

SECTION GRID 1

The data was collected in a west to east direction with Fulton Road the boundary to the east.

The data was collected within the designated area totaling approximately 7000 square feet, **Figure 2**.

The processed data had reflections of surface debris and subsurface disturbance to 5 feet in depth.

However the processed data did not show any reflections indicating that a UST can be found within this grids parameters.

The depth of penetration from the surface was 12 feet.

SECTION GRID 2

The data was collected in a west to east direction with Fulton Road the boundary to the east.

A pipe can be seen, within this area coming out of the ground.

The data was collected within the designated area totaling approximately 3000 square feet, Figure 2.

The processed data had reflections of surface debris and subsurface disturbance to 5 feet in depth.

However the processed data did show a cylindrical object beneath the surface at a depth of 3 feet around the area that the pipe can be seen. This will need further investigation.

The depth of penetration from the surface was 12 feet.

Conclusion

The Ground Penetrating Radar survey performed at the 2 designated areas within the site and produced good quality data

The processed data identified a cylindrical object below the surface at a depth of 3 feet.

A utility clearance survey was also conducted at the proposed boring locations.

General Qualifications

The data presented herein are interpreted. No warranty, certification, or statement of fact, either expressed or implied, regarding actual subsurface conditions within the surveyed area is contained herein. No interpretation of subsurface conditions can be made for areas not surveyed.

APPENDIX B
FIELD LOGS

SOIL BORING LOG

CLIENT: U.S. EPA | PROJECT: Fulton TBA | LOCATION: 2300 Fulton Rd | BORING NUMBER: SB01

DEPTH (FT)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	USCS	BLOW COUNT	PID/FID (ppm)	SAMPLE NUMBER	SAMPLE TYPE	RECOVERY	WELL CONSTRUCTION	REMARKS/FIELD OBSERVATIONS
	Concrete, rubble		GW		0.0	0-2	S +FOC	43/60		
	Sandy gravel, dark brown, pebble to cobble, angular limestone fill, med to coarse gr. sand, moist		GW		0.0	2-4	S +PH			
5	Light brown clayey sand, med gr. moist (red brick cobble at 4.5ft)		SP		0.0			32/60		5
					0.0					
					0.0	8-10	S			
10	Some gravel, pebble, rounded				0.0			48/60		10
					0.0					
					0.0					
15	Brown Sand, coarse gr. trace gravel rounded, quarte sand, moist		SW							15
	Clayey Sand, fine-med gr., light brown, moist, trace gravel		SW		0.0			40/48		
	Brown sand, coarse gr., trace gravel, moist		SW							
	light brown clay, dense, some sand (fine) moist		CL		0.0					
20	Clayey Sand, fine-med gr, moist		SW		0.0			31/60		20
	Brown Sand, med gr, moist		SP		0.0	23-25	S			
25	(Becoming wet at 25 ft bgs)							54/60		25 ▽
30										30 End of boring

EXPLANATION

Begin: 0900

0940 - Soil sample FAW-SB01(0-2)-102813, 0-2 ft bgs, +FOC
and soil sample FAW-SB01(2-4)-102813, 2-4 ft bgs, +PH

1005 - Soil sample FAW-SB01(8-10)-102813, 8-10 ft bgs,

1110 - Soil sample FAW-SB01(23-25)-10/28/13, 23-25 ft bgs

Finish: 1135

DATE: 10/28/2013 | PAGE: 1

DRILLING METHOD: Roto sonic

DRILLED BY: Frontier Drilling

LOGGED BY: Weston Solutions

WESTON SOLUTIONS SM

SOIL BORING LOG

CLIENT: U.S. EPA | PROJECT: Fulton TBA | LOCATION: 2300 Fulton Rd | BORING NUMBER: MW01

DEPTH (FT)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	USCS	BLOW COUNT	PID/FID (ppm)	SAMPLE NUMBER	SAMPLE TYPE	RECOVERY	WELL CONSTRUCTION	REMARKS/FIELD OBSERVATIONS
	Dark brown Sand, Some gravel Med-coarse gr, moist, loose, Gravel includes fill limestone, coal and glass fragments	Red brick Fill	SW		0.0	0-2	S + D + FOC	41/60	stick up	
					0.0	2-4	S + PH			
5	Light brown Sand, fine gr, loose, dry, Some med-Cr gr. sand, trace Gravel	Sandstone Cobble	SW		0.0			45/60	2" PVC Riser	5
		Red brick Fill			0.0					
	Brown Sand, med gr, dry, loose, Some coarse gr Sand and gravel (rounded pebbles), poorly sorted					8-10	S			
10										10
			SW					38/60		
15	Red brick fill									15
	more gravelly							48/60		
	Light brown clay, dense, Some sand, moist, low plasticity		CL							
20	Brown Sand, med-Cr gr, dry, loose, Some gravel, poorly sorted		SW							20
	Light brown Sand, fine gr, damp, some clay and silt, dense		SP					44/60		
	Light Yellow-brown Sand, dry, med gr, loose, Well sorted		SP							
25						24-26	S		2" PVC 10-ft Screen 0.010	25
	(becoming wet at 26 ft bgs)									
	Blue-gray staining, Strong Petroleum odor 27.5-28.5 ft bgs				17.1 ppm			36/60		
30										30
										End of boring (sampling)

EXPLANATION

Begin: 1225

1245 - Collected soil sample FAN-MW01(0-2)-102813 and field duplicate FAN-MW01(0-2)-102813D, 0-2 ft bgs, + FOC.

1255 - Collected soil sample FAN-MW01(2-4)-102813, 2-4 ft bgs, + pH.

1300 - Collected soil Sample FAN-MW01(8-10)-102813, 8-10 ft bgs.

1345 - Collected soil Sample FAN-MW01(24-26)-102813, 26-28 ft bgs.

1350 - Setting 2" PVC well

DATE: 10/28/2013 | PAGE: 1

DRILLING METHOD: Rotosonic

DRILLED BY: Frontz Drilling

LOGGED BY: Weston Solutions

WESTON SOLUTIONS SM

SOIL BORING LOG

CLIENT: U.S. EPA | PROJECT: Fulton TBA | LOCATION: 2300 Fulton Rd | BORING NUMBER: MW02

DEPTH (FT)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	USCS	BLOW COUNT	PID/FID (ppm)	SAMPLE NUMBER	SAMPLE TYPE	RECOVERY	WELL CONSTRUCTION	REMARKS/FIELD OBSERVATIONS
	Loam topsoil		OL		0.2	0-2	S + FOC + MS/MSD	60/60	2" PVC Riser	
	Light brown sand, med-coarse gr, loose, moist, some rounded gravel		SW		126	2-4	S + pH			
	Gravel, gray limestone and red brick fill angular, (some basal clay, gray, low plast, moist)		GP		0.0					
	Black sandy gravel, angular fill with metal		GW							
5	Yellowish-brown sand, fine-med gr, moist, loose, well sorted		SP		0.8	6-8 *Sample 10/30	S	51/60		
	Black sandy clay, moist, low plasticity		CL							
	Brown-black, gravelly sand, med-co gr, moist, poorly sorted, gravel rounded pebbles		SW		0.0					
10					0.8			54/60		
	Gray Sandy Clay, damp, low plasticity one large wood fragment, petroleum odor, Sand med gr		CL		0.0					
	Dark brown sandy clay, moist, low plasticity trace gravel		CL		2.1	14-16	S			
15	Brown sand, coarse grained, moist, some gravel, rounded pebbles, poorly sorted		SW		0.0			46/60		
					0.0					
20	Light brown sand, med grained, moist, some coarse sand and clay, few pebble gravel, rounded, poorly sorted (becoming wet at 23.5 ft bgs)		SW		0.0	21-23	S	38/60	2" PVC Screen 10 ft 0.010	
25	Light brown sand, med grained, well sorted, wet, trace silt and clay, dense		SP					51/60		
30	End of Sampling								31	End of boring

EXPLANATION

Begin: 0800

Reached 30 ft bgs: 0930

0825 - Collected Soil Sample FAW-MW02(0-2)-102913, 0-2 ft bgs, MS/MSD, + FOC

0830 - Collected Soil Sample FAW-MW02(2-4)-102913, 2-4 ft bgs, tpH

0942 - Collected Soil Sample FAW-MW02(14-16)-102913, 14-16 ft bgs

1000 - Collected Soil Sample FAW-MW02(21-23)-102913, 21-23 ft bgs

DATE: 10/29/2013 | PAGE: 1

DRILLING METHOD: Rotosonic

DRILLED BY: Frontz Drilling

LOGGED BY: Weston Solutions

* Returned to MW02 on 10/30/2013, rig positioned 6 ft N of MW02 well, collected soil sample from 6-8 ft bgs (location name MW02a.

WESTON SOLUTIONS

SOIL BORING LOG

CLIENT: U.S. EPA | PROJECT: FULTON TBA | LOCATION: 2300 Fulton Rd | BORING NUMBER: MW03

DEPTH (FT)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	USCS	BLOW COUNT	PID/FID (ppm)	SAMPLE NUMBER	SAMPLE TYPE	RECOVERY	WELL CONSTRUCTION	REMARKS/FIELD OBSERVATIONS
	Limestone & red brick fill		GW		0.0	0-2	S+FOC	33/60		
	Gravelly clay, gray, dense, moist, high plasticity clay matrix, black staining, odor, limestone gravel		CH		0.3	2-4	S+pH			
5	Fragmented sandstone, K-feldspar, siliceous matrix, very hard		GW		6.8	4-6	S		2" PVC Riser	5
	Gravelly clay, gray, dense, moist, limestone & red brick gravel		CH		0.2			55/60		
	Light brown sandy clay, moist, very loose		CL							
	Light brown Sand, med grained, some coarse gr. sand, dry, base, poorly sorted		SW		0.0					
10	(at 13 ft bgs becoming coarser with some rounded alluvial gravel)				0.9			50/60		10
					0.2					
15	Brown clay, dense, dry, some gravel, loam				0.0					15
					0.0			50/60		
	Brown clay, dense, dry, some gravel, loam				0.0					
20	Light brown sand, moist, med gr, loose, well sorted		SP		0.0	21-23	S+FD	55/60	2" PVC 10 ft Screen 0.010	20
	(Becoming wet at 23 ft bgs)				0.0					
25								52/60		25
30	End of Sampling									30
										End of boring

EXPLANATION

Begin: 1215
Reached 30 ft bgs: 1320
1235 - FAW-MW03(0-2)-102913, 0-2 ft bgs, + FOC
1240 - Collected soil sample FAW-MW03(2-4)-102913, 2-4 ft bgs, + pH
1252 - Collected soil sample FAW-MW03(4-6)-102913, 4-6 ft bgs,
1330 - Collected soil sample FAW-MW03(21-23)-102913, 21-23 ft bgs, + field duplicate soil sample FAW-MW03(21-23)-102913D

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DRILLING METHOD: Roto Sonic
DRILLED BY: Frontz Drilling
LOGGED BY: Weston Solutions

WESTON SOLUTIONS

SOIL BORING LOG

CLIENT	PROJECT	LOCATION	BORING NUMBER
U.S. EPA	Fulton TBA	2300 Fulton Rd	SB02

DEPTH (FT)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	USCS	BLOW COUNT	PID/FID (ppm)	SAMPLE NUMBER	SAMPLE TYPE	RECOVERY	WELL CONSTRUCTION	REMARKS/FIELD OBSERVATIONS
	Black gravelly sand, moist, fill		SW		0.0	0-2	S, FD+PH			
	light brown sand, moist, med gr, well sorted		SP							
	light brown clay, low plast, moist, some sand		CL		0.0	2-4	S+PH +MS/MSD	49/60		
	light brown clayey sand, med gravel, moist, well sorted, trace rounded gravel		SP		0.0					
5	Dark brown-black sand, moist, med gr-coarse gr, trace gravel angular		SW		0.0			54/60		
					0.0	8-10	S			
10					0.0					
	White-black coal and ash fill, moist, sand-clay sized		SW					52/60		
	Red brick angular fill	[illegible]	GW		0.0					
	Brown-yellow sand, med grained, trace clay, trace rounded gravel sand is well sorted but with gravel & clay inclusions.		SW		0.0					
15	Black gravelly sand, some silt & clay		SW					54/60		
	Yellow-brown sand, med grained, moist, trace clay, trace rounded gravel, poorly sorted		SW		0.0					
	(becoming coarser sand)				0.0					
20					0.0			56/60		
					0.0					
	Light brown-yellow clay, moist, high plasticity, very dense		CH		0.0					
25	Light brown sand, moist, med grained, well sorted		SP		0.0	27-29	S	50/60		
					0.0					
30										End of boring

EXPLANATION

Begin: 1325
End at 30 ft bgs: ~~1842~~ 1442
Collected Soil Sample (1400): FAW-SB02(0-2)-103013 and field duplicate FAW-SB02(0-2)-103013D, 0-2 ft bgs, +PH
1406 - Collected soil sample FAW-SB02(2-4)-103013, 2-4 ft bgs, +FOC
1425 - Collected Soil Sample FAW-SB02(8-10)-103013, 8-10 ft bgs,
1522 - Collected Soil Sample FAW-SB02(27-29)-103013, 27-30 ft

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DRILLING METHOD: Rotosonic

DRILLED BY: Frontz Drilling

LOGGED BY: Weston Solutions

WESTON SOLUTIONS

SOIL BORING LOG

CLIENT: U.S. EPA | PROJECT: Fulton TBA | LOCATION: ~~SB04~~ 2300 Fulton | BORING NUMBER: SB04

DEPTH (FT)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	USCS	BLOW COUNT	PID/FID (ppm)	SAMPLE NUMBER	SAMPLE TYPE	RECOVERY	WELL CONSTRUCTION	REMARKS/FIELD OBSERVATIONS
	Asphalt				0.0	0-2	5'- VOC/GRO	48/60		
	Brown sand, med gr, moist, well sorted		SP		0.0	2-4	5'- VOC + GRO			
	Brown sand, med-coarse grained, some rounded gravel, moist, poorly sorted		SW		0.0					
5					0.0			52/60		5
	Red brick fill		GW		0.0	8-10	5 - VOC + GRO			
10	Black sand, coarse gr, dry, some limestone gravel fill									10 End of boring

EXPLANATION

Begin 0755
Reached 10 ft bgs at 0810
0838 - Collected Soil Sample FAW-SB04(0-2)-103113, + pH, no VOC/GRO
0855 - Collected Soil Sample FAW-SB04(2-4)-103113, + FOC, no VOC/GRO
0905 - Collected Soil Sample FAW-SB04(8-10)-103113, no VOC/GRO

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DRILLING METHOD: Rotosonic
DRILLED BY: Frontz Drilling
LOGGED BY: Weston Solutions

WESTON SOLUTIONS SM

SOIL BORING LOG

CLIENT: U.S. EPA | PROJECT: Fulton TBA | LOCATION: 2300 Fulton | BORING NUMBER: SB05

DEPTH (FT)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	USCS	BLOW COUNT	PID/FID (ppm)	SAMPLE NUMBER	SAMPLE TYPE	RECOVERY	WELL CONSTRUCTION	REMARKS/FIELD OBSERVATIONS
	Asphalt									
	Gray clay, moist, some sand, low plast, trace gravel, limestone fill		CL		0.0	0-2	5' -VOC + GRO	25 / 60		Recovery poor due to multiple pieces of metal and plastic fill to 10 ft bgs
					0.0	2-4	5' -VOC + GRO			
(4)	Black sandy fill with metal / plastic, wood, and limestone gravel		GW		0.0					
5	(odor)				0.1 * 1.3(H)	6-8	5'	22 / 60		5
	Dark gray sand, med-coarse gr, dry, some limestone gravel fill, loose, poorly sorted		SW		0.0 * 0.5(H)					
10										10 End of boring

EXPLANATION

Begin 0910
0920 - Collected Soil Sample FAW-SB05(0-2)-103113, +PH, no VOC
0925 - Collected Soil Sample FAW-SB05(2-4)-103113, no VOC/GRO
0940 - Collected Soil Sample FAW-SB05(6-8)-103113, +FOC, +VOC/GRO due to headspace
1010 - Collected equipment blank FAW-SB05(6-8)-103113EB after Sample of same name.

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DRILLING METHOD: Rotosonic
DRILLED BY: Frontier Drilling
LOGGED BY: Weston Solutions

WESTON SOLUTIONS

SOIL BORING LOG

CLIENT: U.S. EPA | PROJECT: Fulton TBA | LOCATION: 2300 Fulton Rd | BORING NUMBER: SB12

DEPTH (FT)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	USCS	BLOW COUNT	PID/FID (ppm)	SAMPLE NUMBER	SAMPLE TYPE	RECOVERY	WELL CONSTRUCTION	REMARKS/FIELD OBSERVATIONS
	Black sand, med gr, moist, loose, some clay and gravel red brick fill		SW		0.0	0-2	5' + PH	26		
	Light yellow-brown clayey sand, med grained, moist, poorly sorted				0.0	2-4	5' + FOC	60		
5			SW		0.2 0.16	4-6	5'	45		5
					0.0			60		
	Dark brown sand, med-course gr, moist, loose, some rounded gravel, poorly sorted		SW		0.0					
10										10 End of boring

EXPLANATION

Begin: 1030
1040 - Collected Soil Sample FAN-SB12(0-2)-103113, +PH
1055 - Collected Soil Sample FAN-SB12(2-4)-103113, +FOC
1107 - Collected Soil Sample FAN-SB12(4-6)-103113,

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DRILLING METHOD: Rotosonic

DRILLED BY: Frontz Drilling

LOGGED BY: Westa Solutions

WESTON SOLUTIONS SM

SOIL BORING LOG

CLIENT: U.S. EPA | PROJECT: ~~U.S. EPA~~ Fulton TBA | LOCATION: 2300 Fulton Rd | BORING NUMBER: SB03

DEPTH (FT)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	USCS	BLOW COUNT	PID/FID (ppm)	SAMPLE NUMBER	SAMPLE TYPE	RECOVERY	WELL CONSTRUCTION	REMARKS/FIELD OBSERVATIONS
	Limestone gravel and red brick fill				0.0	0-2	SS, pH	40/60		
	Black sand, med-coarse grained, moist, some clay and gravel fill		SW		0.0	2-4	SS + FOC			
5	Red brick fragments	25			0.2 0.1(B)	4-6	SS			5
					0.0					
	Light brown Sand, med SP, moist, some clay, poorly sorted		SW		0.0					
10										10 End of boring

EXPLANATION

Begin: 1120
1135 - Collected soil sample FAW-SB03(0-2)-103113, pH, 0-2 ft bgs
1140 - Collected soil sample FAW-SB03(2-4)-103113, 2-4 ft bgs, FOC
1155 - Collected soil sample FAW-SB03(4-6)-103113, 4-6 ft bgs

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DRILLING METHOD: Rotosonic
DRILLED BY: Frontz Drilling
LOGGED BY: Weston Solutions

WESTON SOLUTIONS SM

SOIL BORING LOG

CLIENT: U.S. EPA | PROJECT: Fulton TBA | LOCATION: 2300 Fulton Rd | BORING NUMBER: SB06

DEPTH (FT)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	USCS	BLOW COUNT	PID/FID (ppm)	SAMPLE NUMBER	SAMPLE TYPE	RECOVERY	WELL CONSTRUCTION	REMARKS/FIELD OBSERVATIONS
0	Dark brown, Sand, med-coarse gr, trace silt & clay, some red brick and limestone angular fill, moist		GW		0.0	0-2	S+FD	40/60		
	Blue-gray clay, high plast, moist, some limestone angular fill		CH		0.0	2-4	S+PH			
5	Dark brown-black gravelly sand, dry, loose, some red brick and limestone and metallic fill, petroleum odor		SW		0.0					5
	Blue-gray clay, high plast, moist, trace gravel		CH		0.0			12/60		
	Dark brown Sand, med-coarse gr, moist, some red brick and glass angular fill		SW		0.0	8-10	S (no VOC)			
10										10
15										15
20										20
25										25
30										30

EXPLANATION

Begin: 1238
Reached 10 ft bgs at 1300
1312 - Collected soil sample FAN-SB06 (0-2)-103013, 0-2 ft bgs, + FD
1315 - Collected soil sample FAN-SB06 (2-4)-103013, 2-4 ft bgs, + PH
1323 - Collected soil sample FAN-SB06 (8-10)-103013, 8-10 ft bgs, no Terracore VOC and TPH-GRO sample collected 8-10 since 0.0 val

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DRILLING METHOD: Rotosonic
DRILLED BY: Front Drilling
LOGGED BY: Weston Solutions

WESTON SOLUTIONS SM

SOIL BORING LOG

CLIENT: U.S. EPA | PROJECT: Fulton TBA | LOCATION: 2300 Fulton Rd | BORING NUMBER: SB07

DEPTH (FT)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	USCS	BLOW COUNT	PID/FID (ppm)	SAMPLE NUMBER	SAMPLE TYPE	RECOVERY	WELL CONSTRUCTION	REMARKS/FIELD OBSERVATIONS
	Gravelly sand mixed with red brick fragments fill; med gr, moist, some clay		SW		0.0	0-2	5' tph -VOC/GRO	46/60		
	Blue-grey Clay, moist, low plast, some Sand (fin-med) and angular shale gravel. Becomes denser and hard at 4-5		CL		0.0	2-4	5' tph -VOC+ GRO			
5	Black gravelly Sand, med-coarse gr, dry, few concrete and red brick cobbles, loose, poorly sorted		SW		0.0					5
					0.0		5' - VOC+ GRO	47/60		
	Brown Sand, med gr, some silt and fine sand, dry, loose, few pebble-sized pieces of coal, poorly sorted		SW		0.0	8-10				
10										10

EXPLANATION

Begin: 1300
1311 - Collected soil sample FAN-SB07(0-2)-103113, 0-2 ft bgs, +pH, no VOC
1320 - Collected soil sample FAN-SB07(2-4)-103113, 2-4 ft bgs, +FOL, no VOC
1324 - Collected soil sample FAN-SB07(8-10)-103113, 8-10 ft bgs

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DRILLING METHOD: Rotosonic
DRILLED BY: Frontz Drilling
LOGGED BY: Weston Solutions

WESTON SOLUTIONS

SOIL BORING LOG

CLIENT	PROJECT	LOCATION	BORING NUMBER
U.S. EPA	Fulton TBA	2300 Fulton Rd	SB11

DEPTH (FT)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	USCS	BLOW COUNT	PID/FID (ppm)	SAMPLE NUMBER	SAMPLE TYPE	RECOVERY	WELL CONSTRUCTION	REMARKS/FIELD OBSERVATIONS
	Blue-gray sandy clay, moist, low plasticity, some red-brick fragments		CL		0.0	0-2	S-VOC ~~PH~~	33/60		
					3.0	0-4	S+ ~~FOC~~ PH			
	Red sand and pulverized red sandstone, hard feldspar sandstone with siliceous matrix, fine sand to gravel sized		GW							
5	Blue-gray clay, moist, low plast, some shale and red-brick gravel fragments		CL		0.0					5
	Light brown-yellow sand, med grained, moist, some clay, trace rounded pebble gravel, poorly sorted		SW		0.0			46/60		
					0.0	8-10	S-VOC,+ ~~PH~~ FOC			
10										10
										End of boring

EXPLANATION

Begin: 1352
1405 - Collected soil sample FAW-SB11(0-2)-103113, 0-2 ft bgs, ~~+PH~~ RG, no VOC/GRO
1408 - Collected soil sample FAW-SB11(2-4)-103113, 2-4 ft bgs, + pH,
1420 - Collected soil sample FAW-SB11(8-10)-103113, 8-10 ft bgs, + FOC

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DRILLING METHOD: Rotosonic

DRILLED BY: Frontz Drilling

LOGGED BY: Weston Solutions

WESTON SOLUTIONS SM

SOIL BORING LOG

CLIENT: U.S. EPA | PROJECT: Fulton TBA | LOCATION: 2300 Fulton Rd | BORING NUMBER: SB10

DEPTH (FT)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	USCS	BLOW COUNT	PID/FID (ppm)	SAMPLE NUMBER	SAMPLE TYPE	RECOVERY	WELL CONSTRUCTION	REMARKS/FIELD OBSERVATIONS
	Concrete & Red brick fill		GW		0.0	0-2	S	50/60		
	Black Sandy Gravel, angular, wood and concrete debris from fire, odor		GW							
	Blue-gray Clay, moist, low plasticity, some Shale pebble coarse sized gravel and red brick debris fragments		CL		0.0	2-4	S+ Foc-VOC			
5	Gray-black gravelly Sand, Gray Concrete gravel with black Sand-sized burnt material, odor, Glass, wood, and metal fragments		SW		0.7 (640)	4-6	S+ PH	51/60		5
					0.0					
	Brown-yellow Sand, med grained, moist, Trace Coarse Sand and rounded gravel, poorly sorted		SW		0.0					
10										10
										End of boring

EXPLANATION

1432 - Begin
1445 - Collected soil sample FAN-SB10(0-2)-103113, 0-2 ft bgs, with VOC/TPH-GRO due to staining and odor
1500 - Collected soil sample FAN-SB10(2-4)-103113, 2-4 ft bgs, +FOC
1505 - Collected soil sample FAN-SB10(4-6)-103113, 4-6 ft bgs, +PH

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DRILLING METHOD: Rotosonic
DRILLED BY: Fronte Drilling
LOGGED BY: Weston Solutions

WESTON SOLUTIONS

SOIL BORING LOG

CLIENT	PROJECT	LOCATION	BORING NUMBER
US EPA	FULTON TBA	2300 FULTON ROAD	SB09

DEPTH (FT)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	USCS	BLOW COUNT	PID/FID (ppm)	SAMPLE NUMBER	SAMPLE TYPE	RECOVERY	WELL CONSTRUCTION	REMARKS/FIELD OBSERVATIONS
	0-8" LIGHT BROWN SILTY CLAY WITH SAND, GRAVEL AND COBBLES (BRICKS) (FILL MATERIAL) DAMP, MEDIUM, ROOTS		CL		0.0 0.0		S+PH +D S+FOC -VOC	58/60		
	8"-2.5' GREENISH GRAY, SILTY, CLAY, SOME GRAVEL (FILL MATERIAL) DAMP, VERY STIFF		CL		0.0 0.0			60/60		
	2.5-3.5 LIGHT GRAY AND DARK GRAY, SAND AND GRAVEL (FILL) PULVERIZED CONCRETE, DRY LOOSE		GW		0.0		S-VOC			
	3.5'-4.0' LIGHT RED, SAND AND GRAVEL (FILL) PULVERIZED BRICK, DRY, LOOSE		SW							
5'	4.0'-5.5' LIGHT BROWN W/ LOCALIZED POCKETS OF BRICK, WELL GRADED FINE TO MED SAND, SOME FINES, DAMP LOOSE (FILL)		SM							
	5.5'-7.0' BROWN, WELL GRADED FINE TO COARSE SAND TRACE GRAVEL (NATIVE), DAMP, LOOSE		SW							
	7.0'-7.5' BROWN SILTY CLAY SOME SAND, TRACE GRAVEL, DAMP, V. STIFF		ML							
	7.5'-9.0 BROWN, WELL GRADED FINE TO COARSE SAND, DAMP, LOOSE		SW							
10	9.0'-10' - BROWN WELL GRADED FINE TO COARSE SAND, SOME FINES, TRACE GRAVEL, DAMP LOOSE		SW							

EXPLANATION

BEGIN: 0815
END BORING AT 10' BGS
0835 - SOIL SAMPLE = FAW - SB09(0-2) - 110113 AND FIELD DUPLICATE + PH
0840 - SOIL SAMPLE = FAW - SB09(2-4) - 110113, 2'-4' BGS + FOC
0850 - SOIL SAMPLE = FAW - SB09(8-10) 110113, 8'-10' BGS

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DRILLING METHOD: ROTOSONIC

DRILLED BY: FONTE DRILLING

LOGGED BY: WESTON SOLUTIONS

WESTON SOLUTIONS SM

SOIL BORING LOG

CLIENT: US EPA | PROJECT: FULTON TBA | LOCATION: 2300 FULTON ROAD | BORING NUMBER: SB08

DEPTH (FT)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	USCS	BLOW COUNT	PID/FID (ppm)	SAMPLE NUMBER	SAMPLE TYPE	RECOVERY	WELL CONSTRUCTION	REMARKS/FIELD OBSERVATIONS
	0-1.5' LIGHT BROWN SILTY CLAY, MUCH LARGE BRICK AND CONCRETE FRAGMENTS (FILL MATERIAL) DAMP, SMOOTH		CL		0.0		5' VOC	4'/6'		
					0.0		5' VOC + FOC ms/ms10			
	1.5'-2.5' LIGHT BROWN, POORLY GRADED FINE SAND, LARGE CONCRETE (FILL MATERIAL) DAMP, LOOSE		SP		0.7			25/60		
					0.5					
	2.5'-4.0' MOTTLED GREENISH BROWN AND LIGHT BROWN, SILTY CLAY, LARGE SHALE AND BRICK FRAGMENTS, EXCAVATION DISTURBED, DAMP, STIFF		CL		0.8					
	4.0'-5' DARK BROWN AND BLACK, WELL GRADED SAND, SOME GRAVEL, MUCH GLASS, DAMP LOOSE		SW							
	5'-7' DARK BROWN, WELL GRADED SAND, SOME FINES, LARGE BRICK AND CONCRETE FRAGMENTS, DAMP, LOOSE		SP/SW							
	7'-10' BLACK, WELL GRADED SAND, SOME GRAVEL, SOME FINES, GLASS, LAUTO ODOR, PETRO ODOR + STAINING, SOME GRAVEL, MOIST, LOOSE		SW				5+ PID			

EXPLANATION

BEGIN 0915
END BORING AT 10' BGS
0935 - SOIL SAMPLE - FAW - SB08(0-2) - 110113 AN
0945 - SOIL SAMPLE - FAW - SB08(2-4) - 110113 AND FOC + MS/MSD
1000 - SOIL SAMPLE - FAW - SB08 (8-10) - 110113
0-5 SOIL CORE SCREENING = 0.0
5-10 SOIL CORE SCREENING = 0.5

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DRILLING METHOD: ROTOSONIC
DRILLED BY: FONTE DRILLING
LOGGED BY: WESTON SOLUTIONS

WORK ORDER #	CLIENT		PROJECT	WELL ID	DEVELOPED BY
2234	U.S. EPA		Fulton TBA	MW01	Frontz Drilling

BEGINNING DEVELOPMENT (DATE/TIME) 10/31/2013 1412	END DEVELOPMENT (DATE/TIME) 10/31/2013 1448
BEGINNING WATER LEVEL: 27.52 ft (TOC)	ENDING WATER LEVEL: 27.85 ft (TOC)
BEGINNING WELL DEPTH: 36.75 ft (TOC)	ENDING WELL DEPTH:

STANDING WATER COLUMN:	WELL DIAMETER: 2 inch
STANDING WELL VOLUME:	SCREEN LENGTH: 10 ft

WELL CONSTRUCTION DATE: 10/28/2013	DRILLING WATER LOSS:

Time (Minutes)	VOLUME REMOVED (Gallons)	Purge Rate (mL/min)	SPEC. COND.	TEMP	pH	Turbidity ~~Other~~ (NTU)	~~Remarks~~ DO	ORP
1412		900 mL/min	609	13.49	7.02	(out of range)	12.32	77.3
1418			621	13.57	7.04	756	11.40	61.0
1421			687	13.74	7.12	456	10.57	41.5
1425			738	14.03	7.15	346	9.97	32.4
1431			845	13.58	7.15	254	9.99	-6.1
1436			901	13.54	7.10	265	8.91	-17.3
1440			979	13.54	7.09	235	7.84	-30.3
1444			998	13.51	7.06	172	7.40	-34.0
1448	8.5	900 mL/min	1013	13.49	7.04	114	7.00	-40.1
			= TOTAL VOLUME REMOVED (Gallons)					

DEVELOPMENT METHOD: Submersible pump

GENERAL NOTES:

WL = WATER LEVEL
WD = WELL DEPTH

WESTON SOLUTIONS SM

WORK ORDER	CLIENT		PROJECT	WELL ID	DEVELOPED BY
2234	U.S. EPA		Fulton TBA	MW02	Frantz Drilling

BEGINNING DEVELOPMENT (DATE/TIME) 10/31/2013 1258	END DEVELOPMENT (DATE/TIME) 10/31/2013 1324
BEGINNING WATER LEVEL: 24.33 ft (TOC)	ENDING WATER LEVEL: 24.31 ft (TOC)
BEGINNING WELL DEPTH:	ENDING WELL DEPTH:

STANDING WATER COLUMN:	WELL DIAMETER: 2 inch
STANDING WELL VOLUME:	SCREEN LENGTH: 10 ft

WELL CONSTRUCTION DATE: 10/29/2013	DRILLING WATER LOSS:

Time (Minutes)	VOLUME REMOVED (Gallons)	Purge Rate (mL/min)	SPEC. COND.	TEMP	pH	Turbidity ~~Other~~ (NTU)	~~Remarks~~ DO	ORP
1258		1,500 mL/min	1438	14.09	6.68	653	4.78	64.2
1302			1575	14.05	6.68	288	4.30	33.3
1305			1595	14.06	6.72	193	4.10	14.0
1309			1601	14.06	6.73	173	3.91	4.3
1313			1610	14.20	6.76	155	3.80	5.0
1316			1618	14.24	6.79	130	3.71	-0.9
1321			1621	14.32	6.80	100	3.66	7.2
1324	7.5	650 mL/min	1622	14.39	6.81	79.4	3.64	4.3
			= TOTAL VOLUME REMOVED (Gallons)					

DEVELOPMENT METHOD: Submersible pump

GENERAL NOTES:

WESTON SOLUTIONS SM

WORK ORDER #	CLIENT		PROJECT	WELL ID	DEVELOPED BY
2234	U.S. EPA		Fulton TBA	MW03	Frontz Drilling

BEGINNING DEVELOPMENT (DATE/TIME) 10/31/2013 1510	END DEVELOPMENT (DATE/TIME) 10/31/2013 1535
BEGINNING WATER LEVEL: 24.75	ENDING WATER LEVEL: 25.00
BEGINNING WELL DEPTH:	ENDING WELL DEPTH:

STANDING WATER COLUMN:	WELL DIAMETER: 2-inch
STANDING WELL VOLUME:	SCREEN LENGTH: 10 ft

WELL CONSTRUCTION DATE: 10/29/2013	DRILLING WATER LOSS:

Time (Minutes)	VOLUME REMOVED (Gallons)	Purge Rate (mL/min)	SPEC. COND.	TEMP	pH	Turbidity ~~Other~~ (NTU)	~~Remarks~~ DO	ORP
1510		1,100 ml/min	808	13.09	7.27	(out of range)	7.44	-21.2
1515			836	13,16	6.93	(out of range)	7.99	-10.8
1519			875	13.20	7.01	644	8.08	-13.0
1523			930	13.29	7.05		7.70	-16.8
1528			952	13.46	7.09		7.35	-15.0
1531			969	13.49	7.09		7.14	-12.1
1535	7	1,100 ml/min	980	13,49	7.10		7.10	-11.8
			= TOTAL VOLUME REMOVED (Gallons)					

DEVELOPMENT METHOD: Submersible pump

GENERAL NOTES:

WL = WATER LEVEL
WD = WELL DEPTH

WORK ORDER #	CLIENT	PROJECT	WELL ID	SAMPLER	LOCATION
2234	U.S. EPA	Fulton TBA	MW01	START	2300 Fulton Rd

Purge Method:	NA Low flow / Bladder pump	Sample Method:	NA
Purge Date/Time:	NA 11/4/2013 1205	Sample Date/Time:	NA 11/4/2013 1235
Water Depth (ft bgs):	27.62 ft (TOC)	Well Depth (ft bgs):	36.75 ft (TOC)
Casing Diameter (in):	2	Water Volume (gal):	

Weather Conditions:	50 °F		
	Instrument 1	Instrument 2	Instrument 3
Parameter Meter Model #:	YSI 556 MPS	HANNA Turbidity Meter	
Calibration:			
Solutions Expiration Date:			

Well Condition	Secure	Odor	Product	Analysis	TAT	ICE	Filters
	Y	N	N				

Time	Purge Volume (gal)	Purge Rate (mL/min)	Spec. Cond.(mS/cm)	pH	Temp (C)	Turbidity (NTU)	DTW (ft)
1205		300	1066	7.08	12.01	268	27.83
1210			1099	7.11	12.17	150	27.85
1215			1123	7.11	12.41	115	27.86
1220			1151	7.11	12.45	97.8	27.87
1225			1173	7.08	12.80	57.5	27.84
1230			1193	7.11	12.63	41.3	27.84
1235			1199	7.11	12.60	28.4	27.85
1240			1208	7.11	12.58	21.2	27.85
1245	3.2		1219	7.10	12.67	18.7	27.86
TOTAL VOLUME PURGED:		Gallons					

RELATED FIELD OBSERVATIONS: Turbidity at Sample collection = 13.9 NTU

Headspace = 0.0 ppm VOC

WORK ORDER #	CLIENT	PROJECT	WELL ID	SAMPLER	LOCATION
2234	U.S. EPA	Fulton TBA	MW02	START	2300 Fulton Rd

Purge Method:	NA	Low flow / Bladder Pump		Sample Method:	NA
Purge Date/Time:	NA	11/4/2013	1337	Sample Date/Time:	NA 11/4/2013 1437
Water Depth (ft bgs):		24.37 ft (TOC)		Well Depth (ft bgs):	
Casing Diameter (in):		2		Water Volume (gal):	

Weather Conditions:	50 °F		
	Instrument 1	Instrument 2	Instrument 3
Parameter Meter Model #:	YSI 556 MPS	HANNA Turbidity Meter	
Calibration:			
Solutions Expiration Date:			

Well Condition	Secure	Odor	Product	Analysis	TAT	ICE	Filters
	Y	N	N				

Time	Purge Volume (gal)	Purge Rate (mL/min)	Spec. Cond.(mS/cm)	pH	Temp (C)	Turbidity (NTU)	DTW (ft)
1337		300	1708	6.46	13.42	43.3	24.37
1342			1712	6.94	13.45	62.6	24.37
1347			1719	6.92	13.43	43.3	24.37
1352			1730	6.92	13.49	23.9	24.37
1357			1730	6.92	13.38	15.4	24.37
1402			1734	6.91	13.33	8.29	24.37
1407			1740	6.91	13.40	3.60	24.37
1412			1742	6.91	13.59	2.59	24.37
1417	3.2		1745	6.92	13.63	1.63	24.37
TOTAL VOLUME PURGED:		Gallons					

RELATED FIELD OBSERVATIONS: Turbidity at Sample collection = 1.32 NTU

Headspace = 1.0 ppm VOC

Collected field duplicate

WORK ORDER #	CLIENT	PROJECT	WELL ID	SAMPLER	LOCATION
2234	U.S. EPA	Fulton TBA	MW03	START	2300 Fulton Rd

Purge Method:	NA	Low flow / Bladder Pump		Sample Method:	NA
Purge Date/Time:	NA	11/4/2013 1510		Sample Date/Time:	NA 11/4/2013 1630
Water Depth (ft bgs):		(Error 11/4, was 24.75 on 10/31)		Well Depth (ft bgs):	
Casing Diameter (in):		2		Water Volume (gal):	

Weather Conditions:	50 °F		
	Instrument 1	Instrument 2	Instrument 3
Parameter Meter Model #:	YSI 556 MPS	HANNA Turbidity Meter	
Calibration:			
Solutions Expiration Date:			

Well Condition	Secure	Odor	Product	Analysis	TAT	ICE	Filters
	Y	N	N				

Time	Purge Volume (gal)	Purge Rate (mL/min)	Spec. Cond.(mS/cm)	pH	Temp (C)	Turbidity (NTU)	DTW (ft)
1510		300	1184	7.16	12.55	(out of range)	(Error)
1515		↓	1171	7.02	12.68	744	↓
1520		↓	1170	7.01	12.65	(out of range)	↓
1548		200	1177	7.07	12.48	(out of range)	(out of order)
1552		↓	1183	7.06	12.50	1000	↓
1557		↓	1181	7.05	12.45	746	↓
1602		↓	1181	7.05	12.39	392	↓
1607		↓	1185	7.07	12.40	245	↓
1612		↓	1190	7.06	12.42	188	↓
1617		↓	1194	7.06	12.37	160	↓
1622	2.6	↓	1195	7.06	12.34	150	↓
TOTAL VOLUME PURGED:		Gallons					

RELATED FIELD OBSERVATIONS:

* MS/MSD Sample

Paused purging 1520 - 1548 to trouble shoot interface probe and highly turbid water. Resumed without DTW reading based on little-to-no drawdown at other wells.

Turbidity at Sample collection = 112 NTU

Headspace = 1.1 ppm VOC

APPENDIX C
SURVEY DATA

www.dempseysurvey.com
est. 85
DEMPSEY/SURVEYING/COMPANY
P 216/226/1130 | 12815 DETROIT AVENUE
F 216/226/1131 | CLEVELAND, OH 44107-2835

Job No. 8415
Vacant Land
SW corner Bailey Ave. Fulton Ave.
Cleveland, OH

Date of Observation: November 6, 2013
Coordinate System: NAD 1983
Ohio North 3401 Zone
Vertical Datum NGVD 88

Structures

Well Number	*Northing*	*Easting*	*Top of Vertical PVC Pipe Elevation*	*Concrete Ground at Monitoring Well Elevation*
MW01	660465.5090	2185323.6547	689.80	686.91
MW02	660318.5186	2185292.7418	686.46	683.82
MW03	660213.5026	2184995.1891	687.36	684.52

Temporary Benchmark:

PK Nail set in West side of power pole on East side of W. 36th Place
100 ft. +/- south of Bailey Ave. Elev.=682.95

Global Positioning System Data
Soil Boring Locations
Former Fulton Auto Wrecking Phase II ESA
Cleveland, Cuyahoga County, Ohio

FID	Comment	Corr_Type	Rcvr_Type	GPS_Date	GPS_Time	Feat_Name	Datafile	Unfilt_Pos	Filt_Pos	GPS_Height	Latitude	Longitude	Point_ID	X	Y
0	MW01	Uncorrected	ProXRS	11/4/2013	01:53:57pm	Point_ge	FULTON TBA 110413.SS	100	100	705.567	41.47681864	-81.7087409	1	2185321.78	660473.7993
1	SB01	Uncorrected	ProXRS	11/4/2013	01:56:28pm	Point_ge	FULTON TBA 110413.SS	60	60	703.548	41.47674271	-81.70885495	2	2185290.78	660445.8533
2	SB02	Uncorrected	ProXRS	11/4/2013	01:57:55pm	Point_ge	FULTON TBA 110413.SS	60	60	715.832	41.47669559	-81.70869039	3	2185336.027	660429.0924
3	SB12	Uncorrected	ProXRS	11/4/2013	01:59:29pm	Point_ge	FULTON TBA 110413.SS	60	60	709.706	41.47675028	-81.70900183	4	2185250.507	660448.2444
4	SB03	Uncorrected	ProXRS	11/4/2013	02:00:57pm	Point_ge	FULTON TBA 110413.SS	60	60	712.65	41.47654344	-81.70888266	5	2185283.845	660373.179
5	SB04	Uncorrected	ProXRS	11/4/2013	02:02:54pm	Point_ge	FULTON TBA 110413.SS	60	60	707.101	41.4764172	-81.70865759	6	2185345.935	660327.7408
6	SB05	Uncorrected	ProXRS	11/4/2013	02:04:13pm	Point_ge	FULTON TBA 110413.SS	60	60	687.515	41.47628512	-81.70870899	7	2185332.287	660279.4902
7	MW02	Uncorrected	ProXRS	11/4/2013	02:05:43pm	Point_ge	FULTON TBA 110413.SS	100	100	686.391	41.47642137	-81.70886268	8	2185289.725	660328.7531
8	SB06	Uncorrected	ProXRS	11/4/2013	02:07:43pm	Point_ge	FULTON TBA 110413.SS	60	60	681.644	41.47644341	-81.70900737	9	2185250.004	660336.4242
9	SB07	Uncorrected	ProXRS	11/4/2013	02:09:13pm	Point_ge	FULTON TBA 110413.SS	60	60	685.749	41.47621835	-81.70891125	10	2185277.086	660254.66
10	SB08	Uncorrected	ProXRS	11/4/2013	02:10:48pm	Point_ge	FULTON TBA 110413.SS	60	60	684.126	41.47615078	-81.70924212	11	2185186.644	660229.22
11	SB09	Uncorrected	ProXRS	11/4/2013	02:13:09pm	Point_ge	FULTON TBA 110413.SS	60	60	683.364	41.47628914	-81.70941933	12	2185137.629	660279.1915
12	SB10	Uncorrected	ProXRS	11/4/2013	02:14:56pm	Point_ge	FULTON TBA 110413.SS	60	60	684.496	41.476252	-81.70959954	13	2185088.373	660265.2111
13	SB11	Uncorrected	ProXRS	11/4/2013	02:16:31pm	Point_ge	FULTON TBA 110413.SS	60	60	685.634	41.47626383	-81.70996219	14	2184988.96	660268.6205
14	MW03	Uncorrected	ProXRS	11/4/2013	02:17:51pm	Point_ge	FULTON TBA 110413.SS	100	100	683.808	41.47613652	-81.70995493	15	2184991.371	660222.2519

Ohio State Plane North, Feet, NAD 83

APPENDIX D
VALIDATION REPORTS

FORMER FULTON AUTO WRECKING PROPERTY
CLEVELAND, CUYAHOGA COUNTY, OHIO
DATA VALIDATION REPORT

Date: December 3, 2013
Laboratory: Pace Analytical Services, Inc. (Pace), St. Rose, Louisiana
Laboratory Project #: 5089041, 5089046, 5089109, 5089111, 5089175, 5089181, 5089243, 5089270, and 5089280
Data Validation Performed By: Lisa Graczyk, Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START)
Weston Work Order #: 20405.012.008.2234.00

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for 19 soil samples collected for the Former Fulton Auto Wrecking Property (Fulton) Site that were analyzed for the following parameters and U.S. Environmental Protection Agency methods:

- Toxicity Characteristic Leaching Procedure (TCLP) Pesticides by SW-846 Methods 1311 and 8081
- TCLP Herbicides by SW-846 Methods 1311 and 8151
- Fractional Organic Carbon (FOC) by ASTM D2974

A level II data package was requested from Pace. The data validation was conducted in general accordance with the U.S. EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated June 2008 and "Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review" dated January 2010. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089041, 5089046, 5089109, 5089111, 5089175, 5089181, 5089243, 5089270, and 5089280

TCLP PESTICIDES BY EPA SW-846 METHODS 1311 AND 8081

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
FAW-IDW01-102813	201138274	Soil	10/28/2013	11/8/2013	11/8/2013
FAW-IDW02-102913	201138740	Soil	10/29/2013	11/11/2013	11/12/2013
FAW-IDW03-110113	201140150	Soil	11/1/2013	11/12/2013	11/12/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the pesticide analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within quality control (QC) limits.

5. Laboratory Control Sample (LCS) Results

The LCS recoveries were within the laboratory-established QC limits.

6. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

One site-specific MS and MSD were analyzed. The percent recoveries and relative percent differences (RPD) were with QC limits.

7. Overall Assessment

The TCLP pesticide data are acceptable for use based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089041, 5089046, 5089109, 5089111, 5089175, 5089181, 5089243, 5089270, and 5089280

TCLP HERBICIDES BY EPA SW-846 METHODS 1311 AND 8151

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
FAW-IDW01-102813	201138274	Soil	10/28/2013	11/8/2013	11/11/2013
FAW-IDW02-102913	201138740	Soil	10/29/2013	11/11/2013	11/12/2013
FAW-IDW03-110113	201140150	Soil	11/1/2013	11/12/2013	11/13/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the herbicide analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

One site-specific MS and MSD were analyzed. The percent recoveries and RPDs were with QC limits.

7. Overall Assessment

The TCLP herbicide data are acceptable for use based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089041, 5089046, 5089109, 5089111, 5089175, 5089181, 5089243, 5089270, and 5089280

FOC BY ASTM D2974

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-MW01(0-2)-102813	201138271	Soil	10/28/2013	10/31/2013
FAW-MW01(0-2)-102813D	201138272	Soil	10/28/2013	10/31/2013
FAW-SB01(0-2)102813	201138273	Soil	10/28/2013	10/31/2013
FAW-MW02(0-2)-102913	201139762	Soil	10/29/2013	11/8/2013
FAW-MW03(0-2)-102913	201138739	Soil	10/29/2013	11/8/2013
FAW-SB06(0-2)-103013	201139391	Soil	10/30/2013	11/8/2013
FAW-SB02(2-4)-103013	201144569	Soil	10/30/2013	11/19/2013
FAW-SB03(2-4)-103113	201140156	Soil	10/31/2013	11/5/2013
FAW-SB07(2-4)-103113	201140157	Soil	10/31/2013	11/5/2013
FAW-SB11(8-10)-103113	201140158	Soil	10/31/2013	11/5/2013
FAW-SB04(2-4)-103113	201140133	Soil	10/31/2013	11/5/2013
FAW-SB05(6-8)-103113	201140137	Soil	10/31/2013	11/5/2013
FAW-SB12(2-4)-103113	201140138	Soil	10/31/2013	11/5/2013
FAW-SB10 (2-4)-103113	201140139	Soil	10/31/2013	11/5/2013
FAW-SB09(2-4)-110113	201140147	Soil	11/1/2013	11/8/2013
FAW-SB08(2-4)-110113	201140420	Soil	11/1/2013	11/8/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 28 days.

3. Laboratory Duplicate Results

Laboratory duplicates were analyzed with the FOC analyses. The RPDs were within the QC limits except for as follows. In a sample batch associated with four work orders (5089109, 5089111, 5089175, and 5089280), the RPDs were high, outside QC limits. The FOC results for the samples associated with this sample batch [FAW-MW02(0-2)-102913, FAW-MW03(0-2)-102913, and FAW-SB06(0-2)-103013, FAW-SB09(2-4)-110113, FAW-SB08(2-4)-110113] were flagged “J” as estimated due to potential issues with the laboratory precision.

4. Field Duplicate Results

There is one field duplicate associated with the FOC analyses. The RPD was calculated to be 50 which is acceptable.

5. Overall Assessment

The FOC data are acceptable for use as qualified based on the information received.

ATTACHMENT

PACE ANALYTICAL SERVICES, INC.
RESULTS SUMMARY WITH QUALIFIERS

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 06, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161098
Project ID: 5089041/WESTON SOLUTIONS,INC

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on October 30, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161098

Client: PASI Indianapolis

Project ID: 5089041/WESTON SOLUTIONS,INC

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/6/2013 17:11:57

Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161098

Client: PASI Indianapolis

Project ID: 5089041/WESTON SOLUTIONS,INC

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-MW01(0-2)-102813	201138271	Soil	28-Oct-13 12:45	30-Oct-13 10:15
FAW-MW01(0-2)-102813D	201138272	Soil	28-Oct-13 12:45	30-Oct-13 10:15

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161098

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Matrix Spikes and Duplicates:

All MS/MSD recoveries or duplicate RPDs were within QC limits.

QC Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161098

Analytical Method	Batch	Sample used for QC
Dry Weight Moisture	220749	Client sample FAW-MW02(0-2)-102913 from project 20161179
ASTM D2974	220430	Project sample FAW-MW01(0-2)-102813

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-MW01(0-2)-102813
Project: 20161098
Project ID: 5089041/WESTON SOLUTIONS,INC
Site: None
Lab ID: 201138271
Matrix: Soil
%Moisture: 15.2 Not Corrected
Description: None

Collected: 28-Oct-13
Received: 30-Oct-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220430	1	5.12		% (w/w)	0.100	31-Oct-13	31-Oct-13 09:40 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-MW01(0-2)-102813D
Project: 20161098
Project ID: 5089041/WESTON SOLUTIONS,INC
Site: None
Lab ID: 201138272
Matrix: Soil
%Moisture: 16.4 Not Corrected
Description: None

Collected: 28-Oct-13
Received: 30-Oct-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220430	1	8.57		% (w/w)	0.100	31-Oct-13	31-Oct-13 09:41 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161098

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	220430	<0.100	% (w/w)										14			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161098

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

Chain of Custody

20161098 PASI-INDI

20161098

Pace Analytical®
www.pacelabs.com

Workorder: 5089041 **Workorder Name:** FAW 20405.016.008.2234.00 **Owner Received Date:** 10/29/2013 **Results Requested By:** 11/11/2013

Report To	Subcontract To
Kenneth Hunt Pace Analytical Services, Inc. 7726 Moller Road Indianapolis, IN 46268 Phone (317)875-5894 Fax (317)872-6189	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: WGFU	Requested Analysis: FOC, ASTM	LAB USE ONLY
1	FAW-MW01(0-2)-102813	PS	10/28/2013 12:45	5089041001	Solid	1	X	20113827
2	FAW-MW01(0-2)-102813D	PS	10/28/2013 12:45	5089041002	Solid	1	X	8272
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Marcia Bennett	10/29/13 15:38	Fed Ex	
2	Fed Ex		[signature]	10:30-13 10:15
3				

Comments

Cooler Temperature on Receipt 1.7 °C **Custody Seal** (Y) or N **Received on Ice** (Y) or N **Samples Intact** (Y) or N

JKee

page 11 of 12

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Con

20161098 PASI-INDI

Courier: ☐ Pace Courier ☐ Hired Courier ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☑Yes ☐No

Therometer Used:	☐ Therm Fisher IR 5 ☐ Therm Fisher IR 6 ☑ Therm Fisher IR 7

Type of Ice: Wet Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10-30 TD

Temp must be measured from Temperature blank when present

			Comments:
Temperature Blank Present"?	☑Yes ☐No ☐N/A	1	
Chain of Custody Present:	☑Yes ☐No ☐N/A	2	
Chain of Custody Complete:	☑Yes ☐No ☐N/A	3	
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4	
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5	
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	6	
Sufficient Volume:	☑Yes ☐No ☐N/A	7	
Correct Containers Used:	☑Yes ☐No ☐N/A	8	
Filtered vol. Rec. for Diss. tests	☐Yes ☑No ☐N/A	9	
Sample Labels match COC:	☑Yes ☐No ☐N/A	10	
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes ☐No ☐N/A	11	
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐Yes ☐No ☑N/A	12	
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	13	If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO_3 _____ H_2SO_4 _____
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14	
Trip Blank Present:	☐Yes ☐No	15	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 15Feb2013 SCUR Form - mod

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 11, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161099
Project ID: 5089046/WESTON SOLUTION

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on October 30, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161099

Client: PASI Indianapolis

Project ID: 5089046/WESTON SOLUTION

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/11/2013 21:32:30

Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161099

Client: PASI Indianapolis

Project ID: 5089046/WESTON SOLUTION

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-SB01(0-2)102813	201138273	Soil	28-Oct-13 09:40	30-Oct-13 10:15
FAW-IDW01-102813	201138274	Soil	28-Oct-13 14:25	30-Oct-13 10:15

Project: 20161099

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

All surrogate recoveries were within QC limits.

QC Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161099

Analytical Method	Batch	Sample used for QC
EPA 8081	221071	Batch sample from another client
EPA 8151	221072	Batch sample from another client
Dry Weight Moisture	220749	Client sample FAW-MW02(0-2)-102913 from project 20161179
ASTM D2974	220430	Client sample FAW-MW01(0-2)-102813 from project 20161098

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-IDW01-102813
Project: 20161099
Project ID: 5089046/WESTON SOLUTION
Site: None
Lab ID: 201138274 (TCLP)
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: TCLP
Batch: 221071
Method: EPA 8081 (TCLP)
8081 Pests TCLP
Collected: 28-Oct-13
Received: 30-Oct-13
Prepared: 08-Nov-13

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	0.400	08-Nov-13 21:28	SLF
57-74-9	Chlordane	1	ND		0.00500	0.0300	08-Nov-13 21:28	SLF
72-20-8	Endrin	1	ND		0.00100	0.0200	08-Nov-13 21:28	SLF
76-44-8	Heptachlor	1	ND		0.000500	0.00800	08-Nov-13 21:28	SLF
1024-57-3	Heptachlor epoxide	1	ND		0.000500	0.00800	08-Nov-13 21:28	SLF
72-43-5	Methoxychlor	1	ND		0.00500	10.0	08-Nov-13 21:28	SLF
8001-35-2	Toxaphene	1	ND		0.0200	0.500	08-Nov-13 21:28	SLF

7 compound(s) reported

Protocol 11/11/2013 21:33:13

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-IDW01-102813
Project: 20161099
Project ID: 5089046/WESTON SOLUTION
Site: None
Lab ID: 201138274 (TCLP)
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: TCLP
Batch: 221072
Method: EPA 8151 (TCLP)
8151 Herbs TCLP
Collected: 28-Oct-13
Received: 30-Oct-13
Prepared: 08-Nov-13

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1	ND		0.0200	10.0	11-Nov-13 14:10	SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	1.00	11-Nov-13 14:10	SPP1

2 compound(s) reported

Protocol 11/11/2013 21:33:13

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB01(0-2)102813
Project: 20161099
Project ID: 5089046/WESTON SOLUTION
Site: None
Lab ID: 201138273
Matrix: Soil
%Moisture: 9.3 Not Corrected
Description: None

Collected: 28-Oct-13
Received: 30-Oct-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220430	1	3.75		% (w/w)	0.100	31-Oct-13	31-Oct-13 09:41 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Surrogate Recovery

Batch: 221071 **Project:** 20161099

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201141648	221071 BLANK 1		70	71	43	46				
201141649	221071 LCS 1		69	68	43	44				
201138274	FAW-IDW01-102813		82	80	66	69				
201141650	WELL SAMPLE MS 1		74	72	49	49				
201141651	WELL SAMPLE MSD 1		84	82	50	49				
	QC limits:		10-137	10-137	18-119	18-119				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Surrogate Recovery

Batch: 221072 **Project:** 20161099

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201141652	221072 BLANK 1		67	65						
201141653	221072 LCS 1		77	77						
201138274	FAW-IDW01-102813		68	67						
201141654	WELL SAMPLE MS 1		68	64						
201141655	WELL SAMPLE MSD 1		71	68						
	QC limits:		10-166	10-166						

Sur 1: 2,4-DCPA (Conf)(S)
Sur 2: 2,4-DCPA (S)

*** denotes surrogate recovery outside of QC limits.**

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 221071 **Project:** 20161099 **LCS:** 201141649 08-Nov-13 20:32

Method: TCLP GC Semivolatile Organics **MS:** 201141650 08-Nov-13 21:00

Units: mg/L **MSD:** 201141651 08-Nov-13 21:14

Original for MS: Batch Sample 201139478

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
gamma-BHC (Lindane)	0.00500	0.00357	71	0.00500		0.00384	0.00430	77	86	11	28-128	17-149	20	
Endrin	0.00500	0.00353	71	0.00500		0.00380	0.00427	76	86	12	20-153	22-160	20	
Heptachlor	0.00500	0.00230	46	0.00500		0.00288	0.00269	58	54	7	10-115	10-134	20	
Heptachlor epoxide	0.00500	0.00353	71	0.00500		0.00378	0.00414	76	83	9	30-119	13-147	20	
Methoxychlor	0.00500	0.00339	68	0.00500		0.00352	0.00390	70	78	10	21-150	17-166	20	

5 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

QC Protocol 11/11/2013 21:33:18

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 221072 **Project:** 20161099 **LCS:** 201141653 11-Nov-13 13:06

Method: TCLP GC Semivolatile Organics **MS:** 201141654 11-Nov-13 13:38

Units: mg/L **MSD:** 201141655 11-Nov-13 13:54

Original for MS: Batch Sample 201139478

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
2,4-D	0.0400	0.0334	84	0.0400		0.0264	0.0356	57	80	30 *	10-151	10-160	27	
2,4,5-TP (Silvex)	0.0400	0.0334	84	0.0400		0.0262	0.0331	65	83	23 *	22-158	16-164	20	

2 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 221071 BLANK 1 **Project:** 20161099

Lab ID: 201141648

Prep Level: TCLP **Batch:** 221071

Method: TCLP GC Semivolatile Organics

Prepared: 08-Nov-13

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	08-Nov-13 20:18	SLF
57-74-9	Chlordane	1	ND		0.00500	08-Nov-13 20:18	SLF
72-20-8	Endrin	1	ND		0.00100	08-Nov-13 20:18	SLF
76-44-8	Heptachlor	1	ND		0.000500	08-Nov-13 20:18	SLF
1024-57-3	Heptachlor epoxide	1	ND		0.000500	08-Nov-13 20:18	SLF
72-43-5	Methoxychlor	1	ND		0.00500	08-Nov-13 20:18	SLF
8001-35-2	Toxaphene	1	ND		0.0200	08-Nov-13 20:18	SLF

7 compound(s) reported

Protocol Blank 11/11/2013 21:33:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 221072 BLANK 1 **Project:** 20161099

Lab ID: 201141652

Prep Level: TCLP **Batch:** 221072

Method: TCLP GC Semivolatile Organics

Prepared: 08-Nov-13

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis
94-75-7	2,4-D	1	ND		0.0200	11-Nov-13 12:50 SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	11-Nov-13 12:50 SPP1

2 compound(s) reported

Protocol Blank 11/11/2013 21:33:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161099

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	220430	<0.100	% (w/w)										14			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161099

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

Chain of Cus

20161099 PASI-IND1

20161099

Pace Analytical®
www.pacelabs.com

Workorder: 5089046 **Workorder Name:** FAW 20405.016.008.2234.00 **Owner Received Date:** 10/29/2013 **Results Requested By:** 11/11/2013

Report To	Subcontract To
Kenneth Hunt Pace Analytical Services, Inc. 7726 Moller Road Indianapolis, IN 46268 Phone (317)875-5894 Fax (317)872-6189	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: WGFU						Requested Analysis: FOC, ASTM	TCLP-PESTICIDES	TCLP-HERBICIDES										LAB USE ONLY
1	FAW-SB01(0-2)102813	PS	10/28/2013 09:40	5089046001	Solid	1						X												20113827 3
2	FAW-IDW01-102813	PS	10/28/2013 14:25	5089046005	Solid	1							X	X										274
3																								
4																								
5																								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Marcia Bennett	10/29/13 15:39	Fed Ex	
2	Fed Ex			10/30/13 10:15
3				

Comments

Cooler Temperature on Receipt 1.7 °C **Custody Seal** (Y) or N **Received on Ice** (Y) or N **Samples Intact** (Y) or N

VOA

page 18 of 19

20161099 PASI-INDI

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Conditi

Project #: 20

Courier: ☐ Pace Courier ☐ Hired Courier ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals Intact:** ☑Yes ☐No

Therometer Used: ☐ Therm Fisher IR 5 ☐ Therm Fisher IR 6 ☑ Therm Fisher IR 7

Type of Ice: (Wet) Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10-30-15 J

Temp must be measured from Temperature blank when present

			Comments:
Temperature Blank Present"?	☑Yes ☐No ☐N/A	1	
Chain of Custody Present:	☑Yes ☐No ☐N/A	2	
Chain of Custody Complete:	☑Yes ☐No ☐N/A	3	
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4	
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5	
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	6	
Sufficient Volume:	☑Yes ☐No ☐N/A	7	
Correct Containers Used:	☑Yes ☐No ☐N/A	8	
Filtered vol. Rec. for Diss. tests	☐Yes ☑No ☐N/A	9	
Sample Labels match COC:	☐Yes ☐No ☐N/A	10	
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes ☐No ☐N/A	11	
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐Yes ☐No ☑N/A	12	
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	13	If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14	
Trip Blank Present:	☐Yes ☑No	15	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 15Feb2013 SCUR Form - mod

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 11, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161179
Project ID: 5089109/WESTON SOLUTION

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on October 31, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161179

Client: PASI Indianapolis

Project ID: 5089109/WESTON SOLUTION

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/11/2013 17:01:58

Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161179

Client: PASI Indianapolis

Project ID: 5089109/WESTON SOLUTION

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-MW02(0-2)-102913	201139762	Soil	29-Oct-13 08:25	31-Oct-13 09:20

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161179

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

QC Cross Reference

Project: 20161179

Analytical Method	Batch	Sample used for QC
Dry Weight Moisture	220749	Project sample FAW-MW02(0-2)-102913
ASTM D2974	221077	Project sample FAW-MW02(0-2)-102913
ASTM D2974	221077	Client sample FAW-SB08(2-4)-110113 from project 20161344

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-MW02(0-2)-102913
Project ID: 5089109/WESTON SOLUTION
Lab ID: 201139762
Description: None

Project: 20161179
Site: None
Matrix: Soil
%Moisture: 4.7 Not Corrected

Collected: 29-Oct-13
Received: 31-Oct-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Limit
Fractional Organic Carbo	ASTM D2974	221077	1	3.03	J	% (w/w)	0.100	08-Nov-13	08-Nov-13	12:41 JMA	

1 parameter(s) reported

LN
12-3-13

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Inorganics 11/11/2013 17:03:10
Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161179

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	221077	<0.100	% (w/w)										61 *			20	
Fractional Organic C	221077	<0.100	% (w/w)										31 *			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161179

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

Chain of Custody

20161179 PASI-INDI

Pace Analytical®
www.pacelabs.com

Workorder: 5089109 **Workorder Name:** FAW 20405.016.008.2234.00 **Owner Received Date:** 10/30/2013 **Results Requested By:** 11/12/2013

Report To	Subcontract To
Kenneth Hunt Pace Analytical Services, Inc. 7726 Moller Road Indianapolis, IN 46268 Phone (317)875-5894 Fax (317)872-6189	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: WGFU	Requested Analysis: FOC, ASTM Method	LAB USE ONLY
1	FAW-MW02(0-2)-102913	RQS	10/29/2013 08:25	5089109001	Solid	2	X	20113 8738
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Marcia Bennett	10/30/13 12:46		
2	Fedex	10-31-13 0920	J Miller	10-31-13
3				

Comments

0920

Cooler Temperature on Receipt 4.1 °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

50/L4

H.S.

Pace Analytical

1000 Riverbend. Blvd
St. Rose, LA 70087

20161179 PASI-INDI

Courier: ☐ Pace Courier ☐ Hired Courier ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☑Yes ☐No

Therometer Used: ☐ Therm Fisher IR 5 ☐ Therm Fisher IR 6 ☑ Therm Fisher IR 7

Type of Ice: (Wet) Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10-31-13 tk-B

Temp must be measured from Temperature blank when present

		Comments:
Temperature Blank Present"?	☐Yes ☐No ☑N/A	1
Chain of Custody Present:	☑Yes ☐No ☐N/A	2
Chain of Custody Complete:	☑Yes ☐No ☐N/A	3
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	6
Sufficient Volume:	☑Yes ☐No ☐N/A	7
Correct Containers Used:	☑Yes ☐No ☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes ☐No ☑N/A	9
Sample Labels match COC:	☑Yes ☐No ☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes ☐No ☐N/A	11
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐Yes ☐No ☑N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	13 If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14
Trip Blank Present:	☐Yes ☑No	15

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 15Feb2013 SCUR Form - mod

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 13, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161180
Project ID: 5089111/WESTON SOLUTION

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on October 31, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161180

Client: PASI Indianapolis

Project ID: 5089111/WESTON SOLUTION

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/13/2013 09:12:55

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Sample Cross Reference

Project: 20161180

Client: PASI Indianapolis

Project ID: 5089111/WESTON SOLUTION

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-MW03(0-2)-102913	201138739	Soil	29-Oct-13 12:35	31-Oct-13 09:20
FAW-IDW02-102913	201138740	Soil	29-Oct-13 14:00	31-Oct-13 09:20

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161180

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

All surrogate recoveries were within QC limits.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

QC Cross Reference

Project: 20161180

Analytical Method	Batch	Sample used for QC
EPA 8151	221142	Project sample FAW-IDW02-102913
EPA 8081	221143	Project sample FAW-IDW02-102913
Dry Weight Moisture	220749	Client sample FAW-MW02(0-2)-102913 from project 20161179
ASTM D2974	221077	Client sample FAW-MW02(0-2)-102913 from project 20161179
ASTM D2974	221077	Client sample FAW-SB08(2-4)-110113 from project 20161344

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

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(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-IDW02-102913
Project: 20161180
Project ID: 5089111/WESTON SOLUTION
Site: None
Lab ID: 201138740 (TCLP)
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: TCLP
Batch: 221143
Method: EPA 8081 (TCLP)
8081 Pests TCLP
Collected: 29-Oct-13
Received: 31-Oct-13
Prepared: 11-Nov-13

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	0.400	12-Nov-13 12:08	SLF
57-74-9	Chlordane	1	ND		0.00500	0.0300	12-Nov-13 12:08	SLF
72-20-8	Endrin	1	ND		0.00100	0.0200	12-Nov-13 12:08	SLF
76-44-8	Heptachlor	1	ND		0.000500	0.00800	12-Nov-13 12:08	SLF
1024-57-3	Heptachlor epoxide	1	ND		0.000500	0.00800	12-Nov-13 12:08	SLF
72-43-5	Methoxychlor	1	ND		0.00500	10.0	12-Nov-13 12:08	SLF
8001-35-2	Toxaphene	1	ND		0.0200	0.500	12-Nov-13 12:08	SLF

7 compound(s) reported

Protocol 11/13/2013 09:14:02

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-IDW02-102913
Project: 20161180
Project ID: 5089111/WESTON SOLUTION
Site: None
Lab ID: 201138740 (TCLP)
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: TCLP
Batch: 221142
Method: EPA 8151 (TCLP)
8151 Herbs TCLP
Collected: 29-Oct-13
Received: 31-Oct-13
Prepared: 11-Nov-13

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1	ND		0.0200	10.0	12-Nov-13 20:03	SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	1.00	12-Nov-13 20:03	SPP1

2 compound(s) reported

Protocol 11/13/2013 09:14:02

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-MW03(0-2)-102913
Project: 20161180
Project ID: 5089111/WESTON SOLUTION
Site: None
Lab ID: 201138739
Matrix: Soil
%Moisture: 19.2 Not Corrected
Description: None

Collected: 29-Oct-13
Received: 31-Oct-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Limit
Fractional Organic Carbo	ASTM D2974	221077	1	6.22	J	% (w/w)	0.100	08-Nov-13	08-Nov-13	12:40 JMA	

1 parameter(s) reported

12-3-13

Inorganics 11/13/2013 09:14:04

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

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(504) 469-0333

Surrogate Recovery

Batch: 221142 **Project:** 20161180

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201141881	221142 BLANK 1		78	76						
201141882	221142 LCS 1		73	71						
201138740	FAW-IDW02-102913		78	75						
201141917	FAW-IDW02-102913 MS 1		79	76						
201141918	FAW-IDW02-102913 MSD 1		76	73						
	QC limits:		10-166	10-166						

Sur 1: 2,4-DCPA (Conf)(S)
Sur 2: 2,4-DCPA (S)

*** denotes surrogate recovery outside of QC limits.**

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

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Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 221143 **Project:** 20161180

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201141885	221143 BLANK 1		72	74	26	28				
201141886	221143 LCS 1		75	75	33	36				
201138740	FAW-IDW02-102913		61	60	30	32				
201141887	FAW-IDW02-102913 MS 1		69	69	42	44				
201141888	FAW-IDW02-102913 MSD 1		67	64	29	29				
	QC limits:		10-137	10-137	18-119	18-119				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 221143 **Project:** 20161180 **LCS:** 201141886 12-Nov-13 11:56

Method: TCLP GC Semivolatile Organics **MS:** 201141887 12-Nov-13 12:21

Units: mg/L **MSD:** 201141888 12-Nov-13 12:34

Original for MS: Client Sample 201138740

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
gamma-BHC (Lindane)	0.00500	0.00383	77	0.00500		0.00330	0.00327	66	65	1	28-128	17-149	20	
Endrin	0.00500	0.00385	77	0.00500		0.00324	0.00338	65	68	4	20-153	22-160	20	
Heptachlor	0.00500	0.00142	28	0.00500		0.00109	0.000911	22	18	18	10-115	10-134	20	
Heptachlor epoxide	0.00500	0.00350	70	0.00500		0.00295	0.00286	59	57	3	30-119	13-147	20	
Methoxychlor	0.00500	0.00395	79	0.00500		0.00342	0.00374	68	75	9	21-150	17-166	20	

5 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 221142 **Project:** 20161180 **LCS:** 201141882 12-Nov-13 18:43

Method: TCLP GC Semivolatile Organics **MS:** 201141917 12-Nov-13 20:20

Units: mg/L **MSD:** 201141918 12-Nov-13 20:36

Original for MS: Client Sample 201138740

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
2,4-D	0.0400	0.0313	78	0.0400		0.0339	0.0340	85	85	0	10-151	10-160	27	
2,4,5-TP (Silvex)	0.0400	0.0313	78	0.0400		0.0328	0.0334	82	84	2	22-158	16-164	20	

2 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 221142 BLANK 1 **Project:** 20161180

Lab ID: 201141881

Prep Level: TCLP **Batch:** 221142

Method: TCLP GC Semivolatile Organics

Prepared: 11-Nov-13

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis
94-75-7	2,4-D	1	ND		0.0200	12-Nov-13 18:27 SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	12-Nov-13 18:27 SPP1

2 compound(s) reported

Protocol Blank 11/13/2013 09:14:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 221143 BLANK 1 **Project:** 20161180

Lab ID: 201141885

Prep Level: TCLP **Batch:** 221143

Method: TCLP GC Semivolatile Organics

Prepared: 11-Nov-13

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	12-Nov-13 11:43	SLF
57-74-9	Chlordane	1	ND		0.00500	12-Nov-13 11:43	SLF
72-20-8	Endrin	1	ND		0.00100	12-Nov-13 11:43	SLF
76-44-8	Heptachlor	1	ND		0.000500	12-Nov-13 11:43	SLF
1024-57-3	Heptachlor epoxide	1	ND		0.000500	12-Nov-13 11:43	SLF
72-43-5	Methoxychlor	1	ND		0.00500	12-Nov-13 11:43	SLF
8001-35-2	Toxaphene	1	ND		0.0200	12-Nov-13 11:43	SLF

7 compound(s) reported

Protocol Blank 11/13/2013 09:14:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161180

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	221077	<0.100	% (w/w)										61 *			20	
Fractional Organic C	221077	<0.100	% (w/w)										31 *			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161180

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

Chain of Custody

20161180 : PASI-IND1

Pace Analytical®
www.pacelabs.com

Workorder: 5089111 **Workorder Name:** FAW 20405.016.008.2234.00 **Owner Received Date:** 10/30/2013 **Results Requested By:** 11/12/2013

Report To	Subcontract To
Kenneth Hunt Pace Analytical Services, Inc. 7726 Moller Road Indianapolis, IN 46268 Phone (317)875-5894 Fax (317)872-6189	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: wgfu						Requested Analysis: FOC, ASTM Method	TCLP-Pesticides	TCLP-Herbicides									LAB USE ONLY
1	FAW-MW03(0-2)-102913	PS	10/29/2013 12:35	508911.1001	Solid	1						X											20113873
2	FAW-IDW02-102913	PS	10/29/2013 14:00	5089111007	Solid	1							X	X									740
3																							
4																							
5																							

Transfers	Released By	Date/Time	Received By	Date/Time
1	Marcia Bennett FedEx	10/30/13 13:10		
2		10-31-13 0920	[signature]	10-31-13
3				

Comments: 0920

Cooler Temperature on Receipt 4.1 °C **Custody Seal** (Y) or N **Received on Ice** (Y) or N **Samples Intact** (Y) or N

50/L4 - FOC
50/L10 - TCLP

Pace Analytical

1000 Riverbend. Blvd., Suite
St. Rose, LA 70087

20161180 PASI-INDI

Sam

Courier: ☐ Pace Courier ☐ Hired Courier ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☑ Yes ☐ No

Therometer Used: ☐ Therm Fisher IR 5 ☐ Therm Fisher IR 6 ☑ Therm Fisher IR 7

Type of Ice: (Wet) Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10-31-13 tmB

Temp must be measured from Temperature blank when present

Temperature Blank Present"?	☐ Yes	☐ No	☑ N/A
Chain of Custody Present:	☑ Yes	☐ No	☐ N/A
Chain of Custody Complete:	☑ Yes	☐ No	☐ N/A
Chain of Custody Relinquished:	☑ Yes	☐ No	☐ N/A
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A
Samples Arrived within Hold Time:	☑ Yes	☐ No	☐ N/A
Sufficient Volume:	☑ Yes	☐ No	☐ N/A
Correct Containers Used:	☑ Yes	☐ No	☐ N/A
Filtered vol. Rec. for Diss. tests	☐ Yes	☐ No	☑ N/A
Sample Labels match COC:	☑ Yes	☐ No	☐ N/A
All containers received within manafacture's precautionary and/or expiration dates.	☑ Yes	☐ No	☐ N/A
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐ Yes	☐ No	☑ N/A
All containers preservation checked found to be in compliance with EPA recommendation.	☐ Yes	☐ No	☑ N/A
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A
Trip Blank Present:	☐ Yes	☑ No	

	Comments:
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	If No, was preserative added? ☐ Yes ☐ No If added record lot no.: HNO3 _____ H2SO4 _____
14	
15	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 15Feb2013 SCUR Form - mod

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 12, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161268
Project ID: 5089175/WESTON SOLUTION

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on November 01, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161268

Client: PASI Indianapolis

Project ID: 5089175/WESTON SOLUTION

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/12/2013 14:21:44

Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161268

Client: PASI Indianapolis

Project ID: 5089175/WESTON SOLUTION

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-SB06(0-2)-103013	201139391	Soil	30-Oct-13 13:12	01-Nov-13 09:00

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161268

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

QC Cross Reference

Project: 20161268

Analytical Method	Batch	Sample used for QC
Dry Weight Moisture	221225	Batch sample from another client
ASTM D2974	221077	Client sample FAW-MW02(0-2)-102913 from project 20161179
ASTM D2974	221077	Client sample FAW-SB08(2-4)-110113 from project 20161344

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB06(0-2)-103013
Project: 20161268
Project ID: 5089175/WESTON SOLUTION
Site: None
Lab ID: 201139391
Matrix: Soil
%Moisture: 14.7 Not Corrected
Description: None

Collected: 30-Oct-13
Received: 01-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	221077	1	8.29	J	% (w/w)	0.100	08-Nov-13	08-Nov-13 12:41 JMA	

1 parameter(s) reported

12-3-13

Inorganics 11/12/2013 14:22:40

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161268

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	221077	<0.100	% (w/w)										61 *			20	
Fractional Organic C	221077	<0.100	% (w/w)										31 *			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161268

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

Chain of Custody

20161268 PASI-INDI

Pace Analytical®
www.pacelabs.com

Workorder: 5089175 **Workorder Name:** FAW 20405.016.008.2234.00 **Owner Received Date:** 10/31/2013 **Results Requested By:** 11/13/2013

Report To	Subcontract To
Kenneth Hunt Pace Analytical Services, Inc. 7726 Moller Road Indianapolis, IN 46268 Phone (317)875-5894 Fax (317)872-6189	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

						Preserved Containers						Requested Analysis												
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	WGFU						FOC, ASTM												LAB USE ONLY
1	FAW-SB06(0-2)-103013	PS	10/30/2013 13:12	5089175001	Solid	1						X												20139391
2																								
3																								
4																								
5																								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Kathy Eck	10/31/13 1336	Fed-Ex	
2	Fed-Ex	11/01/13 0900		11/01/13 0900
3				

Comments

Cooler Temperature on Receipt 1.2 °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

KC

page 10 of 11

20161268 PASI-INDI

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample (

Courier: ☐ Pace Courier ☐ Hired Courier ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☑Yes ☐No

Therometer Used:	☐ Therm Fisher IR 5 ☐ Therm Fisher IR 6 ☑ Therm Fisher IR 7

Type of Ice: (Wet) Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: 11-1-13 HB

Temp must be measured from Temperature blank when present

		Comments:
Temperature Blank Present"?	☐Yes ☐No ☑N/A	1
Chain of Custody Present:	☑Yes ☐No ☐N/A	2
Chain of Custody Complete:	☑Yes ☐No ☐N/A	3
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	6
Sufficient Volume:	☑Yes ☐No ☐N/A	7
Correct Containers Used:	☑Yes ☐No ☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes ☐No ☑N/A	9
Sample Labels match COC:	☑Yes ☐No ☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes ☐No ☐N/A	11
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐Yes ☐No ☑N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	13 If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO_3 _____ H_2SO_4 _____
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14
Trip Blank Present:	☐Yes ☑No	15

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 15Feb2013 SCUR Form - mod

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 20, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161954
Project ID: 5089181 / Weston

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on November 19, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerly,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Cover 11/20/2013 17:20:18

Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161954

Client: PASI Indianapolis

Project ID: 5089181 / Weston

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/20/2013 17:20:20

Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161954

Client: PASI Indianapolis

Project ID: 5089181 / Weston

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-SB02(2-4)-103013	201144569	Soil	30-Oct-13 14:06	19-Nov-13 09:30

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161954

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Matrix Spikes and Duplicates:

All MS/MSD recoveries or duplicate RPDs were within QC limits.

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

QC Cross Reference

Project: 20161954

Analytical Method	Batch	Sample used for QC
ASTM D2974	221859	Project sample FAW-SB02(2-4)-103013

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB02(2-4)-103013
Project: 20161954
Project ID: 5089181 / Weston
Site: None
Lab ID: 201144569
Matrix: Soil
%Moisture: 0 Not Corrected
Description: None

Collected: 30-Oct-13
Received: 19-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	221859	1	2.35		% (w/w)	0.100	19-Nov-13	19-Nov-13 15:10 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161954

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	221859	<0.100	% (w/w)										4			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161954

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

Chain of Custody

RUSH

20161954 PASI-INDI

11/21/13

Workorder: 5089181 **Workorder Name:** FAW 20405.016.008.2234.00 **Owner Received Date:** 10/31/2013 **Results Requested By:** ~~11/19/2013~~

Report To	Subcontract To
Kenneth Hunt Pace Analytical Services, Inc. 7726 Moller Road Indianapolis, IN 46268 Phone (317)875-5894 Fax (317)872-6189	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: WGFU	Requested Analysis: FOC ASTM	LAB USE ONLY
1	FAW-SB02(2-4)-103013	RQS	10/30/2013 14:06	5089181003	Solid	1	X	
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Marcia Bennett	11/18/13 16:03	Fed-Ex	
2	Fed-Ex	11/19/13 9:30		11/19/13 930
3				

Comments

Report by Tuesday 11/12 if you can.

Cooler Temperature on Receipt 2.1 °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

KA

20161954 PASI-INDI

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Conc

Courier: ☐ Pace Courier ☐ Hired Courier ☒ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☒ Yes ☐ No

Therometer Used:	☐ Therm Fisher IR 5 ☐ Therm Fisher IR 6 ☒ Therm Fisher IR 7

Type of Ice: Wet Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 11-19-13

Temp must be measured from Temperature blank when present

			Comments:
Temperature Blank Present"?	☒ Yes ☐ No ☐ N/A	1	
Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	2	
Chain of Custody Complete:	☒ Yes ☐ No ☐ N/A	3	
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	4	
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	5	
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	6	
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	7	
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	8	
Filtered vol. Rec. for Diss. tests	☐ Yes ☐ No ☒ N/A	9	
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	10	
All containers received within manafacture's precautionary and/or expiration dates.	☒ Yes ☐ No ☐ N/A	11	
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐ Yes ☐ No ☒ N/A	12	
All containers preservation checked found to be in compliance with EPA recommendation.	☐ Yes ☐ No ☒ N/A	13	If No, was preserative added? ☐ Yes ☐ No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A	14	
Trip Blank Present:	☐ Yes ☒ No	15	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

1X402 Jar

ALLC003rev.08, 15Feb2013 SCUR Form - mod

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 07, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161348
Project ID: 5089243/WESTON SOLUTION,INC

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on November 05, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerly,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161348

Client: PASI Indianapolis

Project ID: 5089243/WESTON SOLUTION,INC

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/7/2013 14:01:28

Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161348

Client: PASI Indianapolis

Project ID: 5089243/WESTON SOLUTION,INC

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-SB03(2-4)-103113	201140156	Soil	31-Oct-13 11:40	05-Nov-13 11:00
FAW-SB07(2-4)-103113	201140157	Soil	31-Oct-13 13:20	05-Nov-13 11:00
FAW-SB11(8-10)-103113	201140158	Soil	31-Oct-13 14:20	05-Nov-13 11:00

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161348

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Matrix Spikes and Duplicates:

All MS/MSD recoveries or duplicate RPDs were within QC limits.

QC Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161348

Analytical Method	Batch	Sample used for QC
Dry Weight Moisture	220903	Project sample FAW-SB03(2-4)-103113
ASTM D2974	220785	Project sample FAW-SB03(2-4)-103113

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB03(2-4)-103113
Project: 20161348
Project ID: 5089243/WESTON SOLUTION,INC
Site: None
Lab ID: 201140156
Matrix: Soil
%Moisture: 15 Not Corrected
Description: None

Collected: 31-Oct-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220785	1	7.98		% (w/w)	0.100	05-Nov-13	05-Nov-13 16:12 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB07(2-4)-103113
Project: 20161348
Project ID: 5089243/WESTON SOLUTION,INC
Site: None
Lab ID: 201140157
Matrix: Soil
%Moisture: 21 Not Corrected
Description: None

Collected: 31-Oct-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220785	1	4.04		% (w/w)	0.100	05-Nov-13	05-Nov-13 16:12 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB11(8-10)-103113
Project: 20161348
Project ID: 5089243/WESTON SOLUTION,INC
Site: None
Lab ID: 201140158
Matrix: Soil
%Moisture: 10.3 Not Corrected
Description: None

Collected: 31-Oct-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220785	1	1.96		% (w/w)	0.100	05-Nov-13	05-Nov-13 16:13 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161348

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	220785	<0.100	% (w/w)										7			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161348

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

20161348 PASI-INDI

Chain of Custod

20161348

Pace Analytical®
www.pacelabs.com

Workorder: 5089243 **Workorder Name:** FAW 20405.016.008.2234.00 **Owner Received Date:** 10/31/2013 **Results Requested By:** 11/13/2013

Report To	Subcontract To
Kenneth Hunt Pace Analytical Services, Inc. 7726 Moller Road Indianapolis, IN 46268 Phone (317)875-5894 Fax (317)872-6189	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: 4 OZ	Requested Analysis: FOC, ASTM	LAB USE ONLY
1	FAW-SB03(2-4)-103113	PS	10/31/2013 11:40	5089243003	Solid	1	X	20114015b
2	FAW-SB07(2-4)-103113	PS	10/31/2013 13:20	5089243006	Solid	1	X	157
3	FAW-SB11(8-10)-103113	PS	10/31/2013 14:20	5089243010	Solid	1	X	158
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Marcia Bennett	11/4/13 10:38		
2	FedEx	11-5-13 1100		11-5-13
3				

Comments: 1100

Cooler Temperature on Receipt 1.9 °C Custody Seal Y or N Received on Ice Y or N Samples Intact Y or N

KC

20161348 PASI-INDI

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Conditi

Courier: ☐ Pace Courier ☐ Hired Courier ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals Intact:** ☑Yes ☐No

Therometer Used:	☐ Therm Fisher IR 5 ☐ Therm Fisher IR 6 ☐ Therm Fisher IR 7

Type of Ice: (Wet) Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: 11-5-13

Temp must be measured from Temperature blank when present

			Comments:
Temperature Blank Present"?	☑Yes ☐No ☐N/A	1	
Chain of Custody Present:	☑Yes ☐No ☐N/A	2	
Chain of Custody Complete:	☑Yes ☐No ☐N/A	3	
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4	
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5	
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	6	
Sufficient Volume:	☑Yes ☐No ☐N/A	7	
Correct Containers Used:	☑Yes ☐No ☐N/A	8	
Filtered vol. Rec. for Diss. tests	☐Yes ☑No ☐N/A	9	
Sample Labels match COC:	☑Yes ☐No ☐N/A	10	
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes ☐No ☐N/A	11	
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐Yes ☐No ☑N/A	12	
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	13	If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14	
Trip Blank Present:	☐Yes ☑No	15	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 15Feb2013 SCUR Form - mod

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 07, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161341
Project ID: 5089270 / Weston Solution

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on November 05, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161341

Client: PASI Indianapolis

Project ID: 5089270 / Weston Solution

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/7/2013 14:12:34

Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161341

Client: PASI Indianapolis

Project ID: 5089270 / Weston Solution

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-SB04(2-4)-103113	201140133	Soil	31-Oct-13 08:55	05-Nov-13 11:00
FAW-SB05(6-8)-103113	201140137	Soil	31-Oct-13 09:40	05-Nov-13 11:00
FAW-SB12(2-4)-103113	201140138	Soil	31-Oct-13 10:55	05-Nov-13 11:00
FAW-SB10 (2-4)-103113	201140139	Soil	31-Oct-13 15:00	05-Nov-13 11:00

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161341

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Matrix Spikes and Duplicates:

All MS/MSD recoveries or duplicate RPDs were within QC limits.

QC Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161341

Analytical Method	Batch	Sample used for QC
Dry Weight Moisture	220903	Client sample FAW-SB03(2-4)-103113 from project 20161348
ASTM D2974	220785	Client sample FAW-SB03(2-4)-103113 from project 20161348

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB04(2-4)-103113
Project: 20161341
Project ID: 5089270 / Weston Solution
Site: None
Lab ID: 201140133
Matrix: Soil
%Moisture: 7.5 Not Corrected
Description: None

Collected: 31-Oct-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220785	1	1.76		% (w/w)	0.100	05-Nov-13	05-Nov-13 16:13 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Sample Results

Client: PASI Indianapolis

Client ID: FAW-SB05(6-8)-103113
Project: 20161341
Project ID: 5089270 / Weston Solution
Site: None
Lab ID: 201140137
Matrix: Soil
%Moisture: 9.3 Not Corrected
Description: None

Collected: 31-Oct-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220785	1	6.25		% (w/w)	0.100	05-Nov-13	05-Nov-13 16:13 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB12(2-4)-103113
Project: 20161341
Project ID: 5089270 / Weston Solution
Site: None
Lab ID: 201140138
Matrix: Soil
%Moisture: 13.9 Not Corrected
Description: None

Collected: 31-Oct-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220785	1	2.48		% (w/w)	0.100	05-Nov-13	05-Nov-13 16:13 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB10 (2-4)-103113
Project: 20161341
Project ID: 5089270 / Weston Solution
Site: None
Lab ID: 201140139
Matrix: Soil
%Moisture: 10.3 Not Corrected
Description: None

Collected: 31-Oct-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220785	1	5.73		% (w/w)	0.100	05-Nov-13	05-Nov-13 16:13 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161341

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	220785	<0.100	% (w/w)										7			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161341

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

20161341 PASI-INDI

Chain of Custody

www.pacelabs.com

Workorder: 5089270 **Workorder Name:** FAW 20405.016.008.2234.00 **Owner Received Date:** 11/1/2013 **Results Requested By:** 11/15/2013

Report To	Subcontract To
Kenneth Hunt Pace Analytical Services, Inc. 7726 Moller Road Indianapolis, IN 46268 Phone (317)875-5894 Fax (317)872-6189	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: 4oz	Requested Analysis: FOC, ASTM	LAB USE ONLY
1	FAW-SB04(2-4)-103113	PS	10/31/2013 08:55	5089270003	Solid	1	X	201140133
2	FAW-SB05(6-8)-103113	PS	10/31/2013 09:40	5089270007	Solid	1	X	" 137
3	FAW-SB12(2-4)-103113	PS	10/31/2013 10:55	5089270009	Solid	1	X	" 138
4	FAW-SB10(2-4)-103113	PS	10/31/2013 15:00	5089270011	Solid	1	X	" 139
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Maria Bennett	11/4/13 10:26		
2	FedEX	11-5-13 1100	J Miller	11-5-13
3				

Comments: 1100

Cooler Temperature on Receipt 1.9 °C Custody Seal Y or N Received on Ice Y or N Samples Intact Y or N

page 13 of 14

20161341 PASI-INDI

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Cond

Courier: ☐ Pace Courier ☐ Hired Courier ☒ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☒Yes ☐No

Therometer Used: ☐ Therm Fisher IR 5 ☒ Therm Fisher IR 6 ☐ Therm Fisher IR 7

Type of Ice: (Wet) Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 11-05-13 [illegible]

Temp must be measured from Temperature blank when present

		Comments:
Temperature Blank Present"?	☒Yes ☐No ☐N/A	1
Chain of Custody Present:	☒Yes ☐No ☐N/A	2
Chain of Custody Complete:	☒Yes ☐No ☐N/A	3
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	4
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	5
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	6
Sufficient Volume:	☒Yes ☐No ☐N/A	7
Correct Containers Used:	☒Yes ☐No ☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes ☐No ☒N/A	9
Sample Labels match COC:	☒Yes ☐No ☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☒Yes ☐No ☐N/A	11
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐Yes ☐No ☒N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	13 If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☒N/A	14
Trip Blank Present:	☐Yes ☒No	15

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 15Feb2013 SCUR Form - mod

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 15, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161344
Project ID: 5089280/WESTON SOLUTION

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on November 05, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerly,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161344

Client: PASI Indianapolis

Project ID: 5089280/WESTON SOLUTION

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/15/2013 13:25:33

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Sample Cross Reference

Project: 20161344

Client: PASI Indianapolis

Project ID: 5089280/WESTON SOLUTION

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-SB09(2-4)-110113	201140147	Soil	01-Nov-13 08:40	05-Nov-13 11:00
FAW-IDW03-110113	201140150	Soil	01-Nov-13 13:20	05-Nov-13 11:00
FAW-SB08(2-4)-110113	201140420	Soil	01-Nov-13 09:45	05-Nov-13 11:00

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161344

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

All surrogate recoveries were within QC limits.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

QC Cross Reference

Project: 20161344

Analytical Method	Batch	Sample used for QC
EPA 8081	221302	Batch sample from another client
EPA 8151	221304	Batch sample from another client
Dry Weight Moisture	221225	Batch sample from another client
Dry Weight Moisture	221517	Project sample FAW-SB08(2-4)-110113
ASTM D2974	221077	Client sample FAW-MW02(0-2)-102913 from project 20161179
ASTM D2974	221077	Project sample FAW-SB08(2-4)-110113

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-IDW03-110113
Project ID: 5089280/WESTON SOLUTION
Lab ID: 201140150 (TCLP)
Description: None
Method: EPA 8081 (TCLP)
8081 Pests TCLP

Project: 20161344
Site: None
Matrix: Soil
Prep Level: TCLP

% Moisture: 0 Not Corrected
Batch: 221302

Collected: 01-Nov-13
Received: 05-Nov-13
Prepared: 12-Nov-13

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	0.400	12-Nov-13 15:21	SLF
57-74-9	Chlordane	1	ND		0.00500	0.0300	12-Nov-13 15:21	SLF
72-20-8	Endrin	1	ND		0.00100	0.0200	12-Nov-13 15:21	SLF
76-44-8	Heptachlor	1	ND		0.000500	0.00800	12-Nov-13 15:21	SLF
1024-57-3	Heptachlor epoxide	1	ND		0.000500	0.00800	12-Nov-13 15:21	SLF
72-43-5	Methoxychlor	1	ND		0.00500	10.0	12-Nov-13 15:21	SLF
8001-35-2	Toxaphene	1	ND		0.0200	0.500	12-Nov-13 15:21	SLF

7 compound(s) reported

Protocol 11/15/2013 13:27:46

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-IDW03-110113
Project ID: 5089280/WESTON SOLUTION
Lab ID: 201140150 (TCLP)
Description: None
Method: EPA 8151 (TCLP)
8151 Herbs TCLP

Project: 20161344
Site: None
Matrix: Soil
Prep Level: TCLP
% Moisture: 0 Not Corrected
Batch: 221304
Collected: 01-Nov-13
Received: 05-Nov-13
Prepared: 12-Nov-13

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1	ND		0.0200	10.0	13-Nov-13 18:13	SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	1.00	13-Nov-13 18:13	SPP1

2 compound(s) reported

Protocol 11/15/2013 13:27:47

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB09(2-4)-110113
Project: 20161344
Project ID: 5089280/WESTON SOLUTION
Site: None
Lab ID: 201140147
Matrix: Soil
%Moisture: 6.1 Not Corrected
Description: None

Collected: 01-Nov-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	221077	1	8.45	J	% (w/w)	0.100	08-Nov-13	08-Nov-13 12:42 JMA	

1 parameter(s) reported

ZH
12-3-13

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Inorganics 11/15/2013 13:27:48
Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB08(2-4)-110113
Project: 20161344
Project ID: 5089280/WESTON SOLUTION
Site: None
Lab ID: 201140420
Matrix: Soil
%Moisture: 13.1 Not Corrected
Description: None

Collected: 01-Nov-13 **Received:** 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	221077	1	3.60	J	% (w/w)	0.100	08-Nov-13	08-Nov-13 12:42 JMA	

1 parameter(s) reported

ZN
12-3-13

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Inorganics 11/15/2013 13:27:49
Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Surrogate Recovery

Batch: 221302 **Project:** 20161344

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201142468	221302 BLANK 1		76	73	45	50				
201142469	221302 LCS 1		71	75	50	52				
201142470	DC MS 1		65	66	48	49				
201142471	DC MSD 1		77	76	52	52				
201140150	FAW-IDW03-110113		72	72	48	48				
	QC limits:		10-137	10-137	18-119	18-119				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Surrogate Recovery

Batch: 221304 **Project:** 20161344

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201142476	221304 BLANK 1		78	75						
201142477	221304 LCS 1		72	68						
201142478	DC MS 1		64	59						
201142479	DC MSD 1		64	59						
201140150	FAW-IDW03-110113		59	56						
	QC limits:		10-166	10-166						

Sur 1: 2,4-DCPA (Conf)(S)
Sur 2: 2,4-DCPA (S)

Surrogates 11/15/2013 13:27:51

*** denotes surrogate recovery outside of QC limits.**

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 221302 **Project:** 20161344 **LCS:** 201142469 12-Nov-13 14:31

Method: TCLP GC Semivolatile Organics **MS:** 201142470 12-Nov-13 14:56

Units: mg/L **MSD:** 201142471 12-Nov-13 15:09

Original for MS: Batch Sample 201138851

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
gamma-BHC (Lindane)	0.00500	0.00330	66	0.00500		0.00338	0.00381	68	76	12	28-128	17-149	20	
Endrin	0.00500	0.00335	67	0.00500		0.00337	0.00392	67	78	15	20-153	22-160	20	
Heptachlor	0.00500	0.00182	36	0.00500		0.00233	0.00258	47	52	10	10-115	10-134	20	
Heptachlor epoxide	0.00500	0.00292	58	0.00500		0.00313	0.00351	63	70	12	30-119	13-147	20	
Methoxychlor	0.00500	0.00359	72	0.00500		0.00338	0.00417	68	83	21 *	21-150	17-166	20	

5 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 221304 **Project:** 20161344 **LCS:** 201142477 13-Nov-13 17:08

Method: TCLP GC Semivolatile Organics **MS:** 201142478 13-Nov-13 17:40

Units: mg/L **MSD:** 201142479 13-Nov-13 17:56

Original for MS: Batch Sample 201138851

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
2,4-D	0.0400	0.0275	69	0.0400	0.0341	0.0527	0.0469	47	32	12	10-151	10-160	27	
2,4,5-TP (Silvex)	0.0400	0.0326	82	0.0400		0.0268	0.0246	67	61	9	22-158	16-164	20	

2 compound(s) reported

QC Protocol 11/15/2013 13:27:53

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 221302 BLANK 1 **Project:** 20161344

Lab ID: 201142468

Prep Level: TCLP **Batch:** 221302

Method: TCLP GC Semivolatile Organics

Prepared: 12-Nov-13

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	12-Nov-13 14:18	SLF
57-74-9	Chlordane	1	ND		0.00500	12-Nov-13 14:18	SLF
72-20-8	Endrin	1	ND		0.00100	12-Nov-13 14:18	SLF
76-44-8	Heptachlor	1	ND		0.000500	12-Nov-13 14:18	SLF
1024-57-3	Heptachlor epoxide	1	ND		0.000500	12-Nov-13 14:18	SLF
72-43-5	Methoxychlor	1	ND		0.00500	12-Nov-13 14:18	SLF
8001-35-2	Toxaphene	1	ND		0.0200	12-Nov-13 14:18	SLF

7 compound(s) reported

Protocol Blank 11/15/2013 13:27:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 221304 BLANK 1 **Project:** 20161344

Lab ID: 201142476

Prep Level: TCLP **Batch:** 221304

Method: TCLP GC Semivolatile Organics

Prepared: 12-Nov-13

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis
94-75-7	2,4-D	1	ND		0.0200	13-Nov-13 16:52 SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	13-Nov-13 16:52 SPP1

2 compound(s) reported

Protocol Blank 11/15/2013 13:27:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161344

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	221077	<0.100	% (w/w)										61 *			20	
Fractional Organic C	221077	<0.100	% (w/w)										31 *			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161344

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

FORMER FULTON AUTO WRECKING PROPERTY
CLEVELAND, CUYAHOGA COUNTY, OHIO
DATA VALIDATION REPORT

Date: December 4, 2013
Laboratory: Pace Analytical Services, Inc. (Pace), Indianapolis, Indiana
Laboratory Project #: 5089041 and 5089046
Data Validation Performed By: Lisa Graczyk, Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START)
Weston Work Order #: 20405.012.008.2234.00

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for 10 soil samples plus two trip blanks collected for the Former Fulton Auto Wrecking Property (Fulton) Site that were analyzed for the following parameters and U.S. Environmental Protection Agency methods:

- Volatile Organic Compounds (VOC) by SW-846 Method 8260
- Toxicity Characteristic Leaching Procedure (TCLP) VOCs by SW-846 Methods 1311 and 8260
- Semivolatile Organic Carbons (SVOC) by SW-846 Method 8270
- TCLP SVOCs by SW-846 Methods 1311 and 8270
- Polychlorinated Biphenyls (PCB) by SW-846 Method 8082
- Total Petroleum Hydrocarbons (TPH) by SW-846 Method 8015
- Metals by SW-846 Methods 6010 and 7471
- TCLP Metals by SW-846 Methods 1311, 6010, and 7470
- Flashpoint by SW-846 Method 1010
- pH by SW-846 Method 9045

A level II data package was requested from Pace. The data validation was conducted in general accordance with the EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated June 2008 and "Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review" dated January 2010. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089041 and 5089046

VOCs BY SW-846 METHOD 8260 AND TCLP VOCS BY SW-846 METHODS 1311 AND 8260

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-MW01(0-2)-102813	5089041001	Soil	10/28/2013	11/8/2013
FAW-MW01(0-2)-102813D	5089041002	Soil	10/28/2013	11/8/2013
FAW-MW01(2-4)-102813	5089041003	Soil	10/28/2013	11/8/2013
FAW-MW01(8-10)-102813	5089041004	Soil	10/28/2013	11/8/2013
FAW-MW01(24-26)-102813	5089041005	Soil	10/28/2013	11/8/2013
Trip Blank	5089041006	Water	10/28/2013	11/8/2013
FAW-SB01(0-2)102813	5089046001	Soil	10/28/2013	11/8/2013
FAW-SB01(2-4)102813	5089046002	Soil	10/28/2013	11/8/2013
FAW-SB01(8-10)102813	5089046003	Soil	10/28/2013	11/8/2013
FAW-SB01(23-25)102814	5089046004	Soil	10/28/2013	11/8/2013
FAW-IDW01-102813	5089046005	Soil	10/28/2013	11/8/2013
TRIP BLANK	5089046006	Water	10/28/2013	11/8/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection.

3. Blanks

Method blanks and trip blanks were analyzed with the VOC analyses. The blanks were free of target analytes above the reporting limits. Methylene chloride was detected one of the blanks below the reporting limit. Because methylene chloride was not detected in the samples, no qualifications are required.

4. Surrogate Results

The surrogate recovery results were within the laboratory-established quality control (QC) limits.

5. Laboratory Control Sample (LCS) Results

The LCS recoveries were within laboratory QC limits except for as follows.

A few compounds were detected high, above the QC limit. Because these compounds were not detected in the samples, no qualifications were applied.

6. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

A site-specific MS was analyzed with the TCLP analysis only. The percent recoveries were with QC limits.

For the other MS and MSDs analyzed (that were not site-specific), the percent recoveries and relative percent differences (RPD) were acceptable.

7. Field Duplicate Results

There is one field duplicate identified with a "D" suffix in the sample name. Both the field duplicate and parent sample contained no detections of VOCs indicating good correlation between the samples.

8. Overall Assessment

Pace flagged some VOC results with a "J" to indicate that they were detected below the reporting limits. These flags are accepted and this data should be considered estimated.

The VOC data are acceptable for use as qualified based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089041 and 5089046

SVOCs BY SW-846 METHOD 8270 AND TCLP SVOCs BY SW-846 METHODS 1311 AND 8270

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Latest Date Analyzed
FAW-MW01(0-2)-102813	5089041001	Soil	10/28/2013	10/29/2013	11/1/2013
FAW-MW01(0-2)-102813D	5089041002	Soil	10/28/2013	10/29/2013	11/1/2013
FAW-MW01(2-4)-102813	5089041003	Soil	10/28/2013	10/29/2013	11/1/2013
FAW-MW01(8-10)-102813	5089041004	Soil	10/28/2013	10/29/2013	11/2/2013
FAW-MW01(24-26)-102813	5089041005	Soil	10/28/2013	10/29/2013	11/2/2013
FAW-SB01(0-2)102813	5089046001	Soil	10/28/2013	10/29/2013	11/2/2013
FAW-SB01(2-4)102813	5089046002	Soil	10/28/2013	10/29/2013	11/2/2013
FAW-SB01(8-10)102813	5089046003	Soil	10/28/2013	10/29/2013	11/1/2013
FAW-SB01(23-25)102814	5089046004	Soil	10/28/2013	10/30/2013	11/1/2013
FAW-IDW01-102813	5089046005	Soil	10/28/2013	11/5/2013	11/5/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the SVOC analyses. The method blanks were free of target compound contamination above the reporting limits.

4. Surrogate Results

The surrogate recoveries were within the laboratory-established QC limits.

5. LCS Results

The percent recoveries for the LCS results were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed with the TCLP analysis only. The percent recoveries and RPDs were with QC limits except for as follows. Pyridine was detected low in the MS but within QC limits in the MSD. The quantitation limit for TCLP pyridine in sample FAW-IDW01-102813 was flagged "UJ" as estimated due to potential matrix interference.

7. Field Duplicate Results

There is one field duplicate identified with a "D" suffix in the sample name. RPDs were calculated for detected SVOCs and ranged from 43 to 111 percent. RPDs were high and indicate sample heterogeneity associated with SVOCs in these samples.

8. Overall Assessment

Several SVOC results were flagged "J" by the laboratory to indicate that the result is below the reporting limit. These results should be considered estimated.

The SVOC data are acceptable for use as qualified based on the information received.

PCBs BY U.S. EPA SW-846 METHOD 8082

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
FAW-MW01(0-2)-102813	5089041001	Soil	10/28/2013	10/30/2013	11/1/2013
FAW-MW01(0-2)-102813D	5089041002	Soil	10/28/2013	10/30/2013	11/1/2013
FAW-MW01(2-4)-102813	5089041003	Soil	10/28/2013	10/30/2013	11/1/2013
FAW-MW01(8-10)-102813	5089041004	Soil	10/28/2013	10/30/2013	11/1/2013
FAW-MW01(24-26)-102813	5089041005	Soil	10/28/2013	10/30/2013	11/1/2013
FAW-SB01(0-2)102813	5089046001	Soil	10/28/2013	10/30/2013	11/1/2013
FAW-SB01(2-4)102813	5089046002	Soil	10/28/2013	10/30/2013	11/1/2013
FAW-SB01(8-10)102813	5089046003	Soil	10/28/2013	10/30/2013	11/1/2013
FAW-SB01(23-25)102814	5089046004	Soil	10/28/2013	10/30/2013	11/1/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the PCB analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were not analyzed. For the MS and MSD that were analyzed, the percent recoveries and RPDs were with QC limits.

7. Field Duplicate Results

There is one field duplicate associated with this work order which is identified with a “D” in the suffix of the sample name. Both the field duplicate and parent sample contained no detections of PCBs indicating good correlation between the samples.

8. Overall Assessment

The PCB data are acceptable for use based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089041 and 5089046

TPH BY SW-846 METHOD 8015

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
FAW-MW01(0-2)-102813	5089041001	Soil	10/28/2013	10/30/2013	10/31/2013 – 11/5/2013
FAW-MW01(0-2)-102813D	5089041002	Soil	10/28/2013	10/30/2013	10/31/2013 – 11/5/2013
FAW-MW01(2-4)-102813	5089041003	Soil	10/28/2013	10/30/2013	10/31/2013 – 11/5/2013
FAW-MW01(8-10)-102813	5089041004	Soil	10/28/2013	10/30/2013	10/31/2013 – 11/5/2013
FAW-MW01(24-26)-102813	5089041005	Soil	10/28/2013	10/30/2013	10/31/2013 – 11/5/2013
FAW-SB01(0-2)102813	5089046001	Soil	10/28/2013	10/30/2013	10/31/2013 – 11/5/2013
FAW-SB01(2-4)102813	5089046002	Soil	10/28/2013	10/30/2013	10/31/2013 – 11/5/2013
FAW-SB01(8-10)102813	5089046003	Soil	10/28/2013	10/30/2013	10/31/2013 – 11/5/2013
FAW-SB01(23-25)102814	5089046004	Soil	10/28/2013	10/30/2013	10/31/2013 – 11/5/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis for TPH, TPH (C10-20) and TPH (C20-C34); and 14 days from sample collection to analysis for gasoline range organics (GRO).

3. Blanks

Method blanks were analyzed with the TPH analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits except for as follows.

In some instances, Pace did not evaluate the surrogate recoveries due to sample dilution. No qualifications are warranted in these instances.

The detected TPH results for TPH (C10-C20) and TPH (C20-C34) were flagged “J” as estimated in the following samples because the surrogate recoveries were high: FAW-MW01(2-4)-102813, FAW-MW01(8-10)-102813, and FAW-SB01(0-2)102813.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed using sample FAW-SB01(2-4)102813 as the spiked sample. The MSD recovery and RPD were high for TPH, TPH (C10-C20), and TPH (C20-C34). The results for these compounds in sample FAW-SB01(2-4)102813 were flagged "J" as estimated due to potential matrix interference.

7. Field Duplicate Results

There is one field duplicate associated with this work order which is identified with a "D" in the suffix of the sample name. RPDs were calculated for detected TPH results and ranged from 6 to 10 percent which is acceptable.

8. Overall Assessment

Some TPH results were flagged "J" by the laboratory to indicate that the result is below the reporting limit. These results should be considered estimated.

The TPH data are acceptable for use based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089041 and 5089046

TOTAL METALS BY SW-846 METHODS 6010 AND 7471 AND TCLP METALS BY SW-846 METHODS 1311, 6010, 7470

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-MW01(0-2)-102813	5089041001	Soil	10/28/2013	10/31/2013 – 11/1/2013
FAW-MW01(0-2)-102813D	5089041002	Soil	10/28/2013	10/31/2013 – 11/1/2013
FAW-MW01(2-4)-102813	5089041003	Soil	10/28/2013	10/31/2013 – 11/1/2013
FAW-MW01(8-10)-102813	5089041004	Soil	10/28/2013	10/31/2013 – 11/1/2013
FAW-MW01(24-26)-102813	5089041005	Soil	10/28/2013	10/31/2013 – 11/1/2013
FAW-SB01(0-2)102813	5089046001	Soil	10/28/2013	10/31/2013 – 11/5/2013
FAW-SB01(2-4)102813	5089046002	Soil	10/28/2013	10/31/2013 – 11/5/2013
FAW-SB01(8-10)102813	5089046003	Soil	10/28/2013	10/31/2013 – 11/5/2013
FAW-SB01(23-25)102814	5089046004	Soil	10/28/2013	10/31/2013 – 11/5/2013
FAW-IDW01-102813	5089046005	Soil	10/28/2013	11/6/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 28 days from sample collection to analysis for mercury and 180 days from sample collection to analysis for all other metals.

3. Blank Results

Method blanks were analyzed with the metals analysis. The blanks were free of target analyte contamination above the reporting limits. TCLP barium was detected below the reporting limit in the method blank; however, TCLP barium was not detected in the samples and no qualifications are required.

4. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

5. MS and MSD Results

A site-specific MS and MSD were analyzed. The percent recoveries and RPDs were within QC limits.

6. Field Duplicate Results

There is one field duplicate associated with this work order. The RPDs were calculated for detected metals and ranged from 0 to 86 percent. Only three of the RPDs exceed a standard QC limit of 50 percent. In general, there appeared to be good correlation between the field duplicate and parent sample.

7. Overall Assessment

The laboratory flagged some metals results with a "J" to indicate that the result was detected below the reporting limit. These results should be considered estimated.

The metals data are acceptable for use as qualified based on the information received.

GENERAL CHEMISTRY PARAMETERS (Flashpoint by SW-846 Method 1010 and pH by SW-846 Method 9045)

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-MW01(2-4)-102813	5089041003	Soil	10/28/2013	10/30/2013
FAW-SB01(2-4)102813	5089046002	Soil	10/28/2013	10/30/2013
FAW-IDW01-102813	5089046005	Soil	10/28/2013	10/30/2013

2. Holding Times

The sample holding times were acceptable.

3. Laboratory Duplicate Results

Laboratory duplicates were analyzed with the pH analyses. The RPDs were within the QC limits.

4. Overall Assessment

The general chemistry parameters are acceptable for use based on the information received.

ATTACHMENT

PACE ANALYTICAL SERVICES, INC.
RESULTS SUMMARY WITH QUALIFIERS

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1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813 **Lab ID: 5089041001** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**751**	mg/kg	232	58.0	10	10/30/13 10:05	10/31/13 12:04		
TPH (C10-C20)	**178**	mg/kg	116	58.0	10	10/30/13 10:05	10/31/13 12:04		
TPH (C20-C34)	**573**	mg/kg	116	58.0	10	10/30/13 10:05	10/31/13 12:04		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	10/30/13 10:05	10/31/13 12:04	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	115	57.5	1	10/30/13 11:39	11/01/13 15:36	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	115	57.5	1	10/30/13 11:39	11/01/13 15:36	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	115	57.5	1	10/30/13 11:39	11/01/13 15:36	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	115	57.5	1	10/30/13 11:39	11/01/13 15:36	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	115	57.5	1	10/30/13 11:39	11/01/13 15:36	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	115	57.5	1	10/30/13 11:39	11/01/13 15:36	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	115	57.5	1	10/30/13 11:39	11/01/13 15:36	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	43	%.	30-106		1	10/30/13 11:39	11/01/13 15:36	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.97	0.48	1		11/05/13 03:23		
Surrogates									
4-Bromofluorobenzene (S)	88	%.	38-163		1		11/05/13 03:23	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11100**	mg/kg	54.0	27.0	1	10/30/13 10:53	10/31/13 08:52	7429-90-5	
Antimony	**6.6**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-36-0	
Arsenic	**28.1**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-38-2	
Barium	**559**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-39-3	
Beryllium	**1.6**	mg/kg	0.54	0.27	1	10/30/13 10:53	10/31/13 08:52	7440-41-7	
Cadmium	**2.1J**	mg/kg	2.2	0.54	1	10/30/13 10:53	10/31/13 08:52	7440-43-9	
Chromium	**28.8**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-47-3	
Cobalt	**8.1**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-48-4	
Copper	**199**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-50-8	
Lead	**931**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7439-92-1	
Nickel	**24.6**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7782-49-2	
Silver	**3.3**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-28-0	
Vanadium	**22.7**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-62-2	
Zinc	**531**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**1.5**	mg/kg	0.22	0.19	1	10/31/13 11:20	11/01/13 11:56	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813 **Lab ID: 5089041001** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**3870**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	83-32-9	
Acenaphthylene	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	208-96-8	
Anthracene	**11900**	ug/kg	3830	1910	10	10/29/13 18:21	11/07/13 16:11	120-12-7	
Benzo(a)anthracene	**16800**	ug/kg	3830	1910	10	10/29/13 18:21	11/07/13 16:11	56-55-3	
Benzo(a)pyrene	**13200**	ug/kg	1970	1910	10	10/29/13 18:21	11/07/13 16:11	50-32-8	
Benzo(b)fluoranthene	**15700**	ug/kg	3830	1910	10	10/29/13 18:21	11/07/13 16:11	205-99-2	
Benzo(g,h,i)perylene	**6560**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	191-24-2	
Benzo(k)fluoranthene	**3490**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	207-08-9	
Benzyl alcohol	ND	ug/kg	766	383	1	10/29/13 18:21	11/01/13 23:15	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	101-55-3	
Butylbenzylphthalate	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	766	383	1	10/29/13 18:21	11/01/13 23:15	59-50-7	
4-Chloroaniline	ND	ug/kg	766	383	1	10/29/13 18:21	11/01/13 23:15	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	108-60-1	
2-Chloronaphthalene	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	91-58-7	
2-Chlorophenol	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	7005-72-3	
Chrysene	**17000**	ug/kg	3830	1910	10	10/29/13 18:21	11/07/13 16:11	218-01-9	
Dibenz(a,h)anthracene	**2700**	ug/kg	197	191	1	10/29/13 18:21	11/01/13 23:15	53-70-3	
Dibenzofuran	**3710**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	120-83-2	
Diethylphthalate	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	105-67-9	
Dimethylphthalate	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	131-11-3	
Di-n-butylphthalate	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1860	928	1	10/29/13 18:21	11/01/13 23:15	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1860	1860	1	10/29/13 18:21	11/01/13 23:15	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	606-20-2	
Di-n-octylphthalate	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	117-81-7	
Fluoranthene	**34800**	ug/kg	3830	1910	10	10/29/13 18:21	11/07/13 16:11	206-44-0	
Fluorene	**5210**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	383	383	1	10/29/13 18:21	11/01/13 23:15	77-47-4	
Hexachloroethane	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	67-72-1	
Indeno(1,2,3-cd)pyrene	**7500**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	193-39-5	
Isophorone	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	78-59-1	
2-Methylnaphthalene	**1040**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	766	383	1	10/29/13 18:21	11/01/13 23:15		
Naphthalene	**2110**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	91-20-3	
2-Nitroaniline	ND	ug/kg	1860	928	1	10/29/13 18:21	11/01/13 23:15	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813 **Lab ID: 5089041001** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1860	928	1	10/29/13 18:21	11/01/13 23:15	99-09-2	
4-Nitroaniline	ND	ug/kg	1860	928	1	10/29/13 18:21	11/01/13 23:15	100-01-6	
Nitrobenzene	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	98-95-3	
2-Nitrophenol	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	88-75-5	
4-Nitrophenol	ND	ug/kg	1860	928	1	10/29/13 18:21	11/01/13 23:15	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	86-30-6	
Phenanthrene	**35800**	ug/kg	3830	1910	10	10/29/13 18:21	11/07/13 16:11	85-01-8	
Phenol	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	108-95-2	
Pyrene	**28200**	ug/kg	3830	1910	10	10/29/13 18:21	11/07/13 16:11	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	59	%.	28-101		1	10/29/13 18:21	11/01/13 23:15	4165-60-0	
2-Fluorobiphenyl (S)	61	%.	31-94		1	10/29/13 18:21	11/01/13 23:15	321-60-8	
p-Terphenyl-d14 (S)	69	%.	26-110		1	10/29/13 18:21	11/01/13 23:15	1718-51-0	
Phenol-d5 (S)	60	%.	28-101		1	10/29/13 18:21	11/01/13 23:15	4165-62-2	
2-Fluorophenol (S)	56	%.	24-104		1	10/29/13 18:21	11/01/13 23:15	367-12-4	
2,4,6-Tribromophenol (S)	57	%.	16-122		1	10/29/13 18:21	11/01/13 23:15	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.12	0.061	1		11/08/13 16:02	67-64-1	
Acrolein	ND	mg/kg	0.12	0.061	1		11/08/13 16:02	107-02-8	
Benzene	ND	mg/kg	0.0061	0.0012	1		11/08/13 16:02	71-43-2	
Bromobenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	108-86-1	
Bromochloromethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-27-4	
Bromoform	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-25-2	
Bromomethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.030	0.015	1		11/08/13 16:02	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	98-06-6	
Carbon disulfide	ND	mg/kg	0.012	0.0030	1		11/08/13 16:02	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	56-23-5	
Chlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	108-90-7	
Chloroethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-00-3	
Chloroform	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	67-66-3	
Chloromethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	124-48-1	
Dibromomethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813 **Lab ID: 5089041001** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.12	0.061	1		11/08/13 16:02	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.12	0.061	1		11/08/13 16:02	97-63-2	
n-Hexane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	110-54-3	N2
2-Hexanone	ND	mg/kg	0.12	0.061	1		11/08/13 16:02	591-78-6	
Iodomethane	ND	mg/kg	0.12	0.061	1		11/08/13 16:02	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	99-87-6	
Methylene Chloride	ND	mg/kg	0.024	0.012	1		11/08/13 16:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.030	0.015	1		11/08/13 16:02	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	103-65-1	
Styrene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0061	0.0012	1		11/08/13 16:02	127-18-4	
Toluene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	79-00-5	
Trichloroethene	ND	mg/kg	0.0061	0.0012	1		11/08/13 16:02	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	108-67-8	
Vinyl acetate	ND	mg/kg	0.12	0.061	1		11/08/13 16:02	108-05-4	
Vinyl chloride	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-01-4	
Xylene (Total)	ND	mg/kg	0.012	0.0061	1		11/08/13 16:02	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	116	%.	85-118		1		11/08/13 16:02	1868-53-7	
Toluene-d8 (S)	113	%.	71-128		1		11/08/13 16:02	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813 **Lab ID: 5089041001** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	86	%.	56-144		1		11/08/13 16:02	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.8**	%	0.10	0.10	1		10/31/13 11:10		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813D **Lab ID: 5089041002** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**709**	mg/kg	234	58.4	10	10/30/13 10:05	10/31/13 12:24		
TPH (C10-C20)	**192**	mg/kg	117	58.4	10	10/30/13 10:05	10/31/13 12:24		
TPH (C20-C34)	**517**	mg/kg	117	58.4	10	10/30/13 10:05	10/31/13 12:24		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	10/30/13 10:05	10/31/13 12:24	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	118	59.0	1	10/30/13 11:39	11/01/13 15:42	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	118	59.0	1	10/30/13 11:39	11/01/13 15:42	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	118	59.0	1	10/30/13 11:39	11/01/13 15:42	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	118	59.0	1	10/30/13 11:39	11/01/13 15:42	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	118	59.0	1	10/30/13 11:39	11/01/13 15:42	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	118	59.0	1	10/30/13 11:39	11/01/13 15:42	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	118	59.0	1	10/30/13 11:39	11/01/13 15:42	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	40	%.	30-106		1	10/30/13 11:39	11/01/13 15:42	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.0	0.50	1		11/05/13 03:48		
Surrogates									
4-Bromofluorobenzene (S)	105	%.	38-163		1		11/05/13 03:48	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**10100**	mg/kg	51.3	25.7	1	10/30/13 10:53	10/31/13 08:54	7429-90-5	
Antimony	**16.6**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-36-0	
Arsenic	**18.2**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-38-2	
Barium	**357**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-39-3	
Beryllium	**1.2**	mg/kg	0.51	0.26	1	10/30/13 10:53	10/31/13 08:54	7440-41-7	
Cadmium	**1.6J**	mg/kg	2.1	0.51	1	10/30/13 10:53	10/31/13 08:54	7440-43-9	
Chromium	**18.9**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-47-3	
Cobalt	**5.1**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-48-4	
Copper	**155**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-50-8	
Lead	**721**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7439-92-1	
Nickel	**21.2**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-02-0	
Selenium	ND	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7782-49-2	
Silver	**6.1**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-22-4	
Thallium	ND	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-28-0	
Vanadium	**17.3**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-62-2	
Zinc	**431**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**2.8**	mg/kg	0.49	0.41	2	10/31/13 11:20	11/01/13 12:18	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813D **Lab ID: 5089041002** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**1440**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	83-32-9	
Acenaphthylene	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	208-96-8	
Anthracene	**3770**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	120-12-7	
Benzo(a)anthracene	**5860**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	56-55-3	
Benzo(a)pyrene	**4680**	ug/kg	199	193	1	10/29/13 18:21	11/01/13 23:36	50-32-8	
Benzo(b)fluoranthene	**5860**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	205-99-2	
Benzo(g,h,i)perylene	**2700**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	191-24-2	
Benzo(k)fluoranthene	**2250**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	207-08-9	
Benzyl alcohol	ND	ug/kg	771	386	1	10/29/13 18:21	11/01/13 23:36	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	101-55-3	
Butylbenzylphthalate	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	771	386	1	10/29/13 18:21	11/01/13 23:36	59-50-7	
4-Chloroaniline	ND	ug/kg	771	386	1	10/29/13 18:21	11/01/13 23:36	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	108-60-1	
2-Chloronaphthalene	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	91-58-7	
2-Chlorophenol	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	7005-72-3	
Chrysene	**5840**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	218-01-9	
Dibenz(a,h)anthracene	**945**	ug/kg	199	193	1	10/29/13 18:21	11/01/13 23:36	53-70-3	
Dibenzofuran	**1470**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	120-83-2	
Diethylphthalate	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	105-67-9	
Dimethylphthalate	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	131-11-3	
Di-n-butylphthalate	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1870	935	1	10/29/13 18:21	11/01/13 23:36	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1870	1870	1	10/29/13 18:21	11/01/13 23:36	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	606-20-2	
Di-n-octylphthalate	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	117-81-7	
Fluoranthene	**12100**	ug/kg	3860	1930	10	10/29/13 18:21	11/07/13 16:31	206-44-0	
Fluorene	**1980**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	386	386	1	10/29/13 18:21	11/01/13 23:36	77-47-4	
Hexachloroethane	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	67-72-1	
Indeno(1,2,3-cd)pyrene	**3100**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	193-39-5	
Isophorone	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	78-59-1	
2-Methylnaphthalene	**532**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	771	386	1	10/29/13 18:21	11/01/13 23:36		
Naphthalene	**1040**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	91-20-3	
2-Nitroaniline	ND	ug/kg	1870	935	1	10/29/13 18:21	11/01/13 23:36	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813D **Lab ID: 5089041002** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1870	935	1	10/29/13 18:21	11/01/13 23:36	99-09-2	
4-Nitroaniline	ND	ug/kg	1870	935	1	10/29/13 18:21	11/01/13 23:36	100-01-6	
Nitrobenzene	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	98-95-3	
2-Nitrophenol	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	88-75-5	
4-Nitrophenol	ND	ug/kg	1870	935	1	10/29/13 18:21	11/01/13 23:36	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	86-30-6	
Phenanthrene	**12600**	ug/kg	3860	1930	10	10/29/13 18:21	11/07/13 16:31	85-01-8	
Phenol	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	108-95-2	
Pyrene	**9600**	ug/kg	3860	1930	10	10/29/13 18:21	11/07/13 16:31	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	53	%.	28-101		1	10/29/13 18:21	11/01/13 23:36	4165-60-0	
2-Fluorobiphenyl (S)	56	%.	31-94		1	10/29/13 18:21	11/01/13 23:36	321-60-8	
p-Terphenyl-d14 (S)	62	%.	26-110		1	10/29/13 18:21	11/01/13 23:36	1718-51-0	
Phenol-d5 (S)	50	%.	28-101		1	10/29/13 18:21	11/01/13 23:36	4165-62-2	
2-Fluorophenol (S)	47	%.	24-104		1	10/29/13 18:21	11/01/13 23:36	367-12-4	
2,4,6-Tribromophenol (S)	50	%.	16-122		1	10/29/13 18:21	11/01/13 23:36	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.10	0.051	1		11/08/13 09:30	67-64-1	
Acrolein	ND	mg/kg	0.10	0.051	1		11/08/13 09:30	107-02-8	
Benzene	ND	mg/kg	0.0051	0.0010	1		11/08/13 09:30	71-43-2	
Bromobenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	108-86-1	
Bromochloromethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-27-4	
Bromoform	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-25-2	
Bromomethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.025	0.012	1		11/08/13 09:30	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	98-06-6	
Carbon disulfide	ND	mg/kg	0.010	0.0025	1		11/08/13 09:30	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	56-23-5	
Chlorobenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	108-90-7	
Chloroethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-00-3	
Chloroform	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	67-66-3	
Chloromethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	124-48-1	
Dibromomethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813D **Lab ID: 5089041002** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.10	0.051	1		11/08/13 09:30	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.10	0.051	1		11/08/13 09:30	97-63-2	
n-Hexane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	110-54-3	N2
2-Hexanone	ND	mg/kg	0.10	0.051	1		11/08/13 09:30	591-78-6	
Iodomethane	ND	mg/kg	0.10	0.051	1		11/08/13 09:30	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	99-87-6	
Methylene Chloride	ND	mg/kg	0.020	0.010	1		11/08/13 09:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.025	0.012	1		11/08/13 09:30	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	103-65-1	
Styrene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0051	0.0010	1		11/08/13 09:30	127-18-4	
Toluene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	79-00-5	
Trichloroethene	ND	mg/kg	0.0051	0.0010	1		11/08/13 09:30	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	108-67-8	
Vinyl acetate	ND	mg/kg	0.10	0.051	1		11/08/13 09:30	108-05-4	
Vinyl chloride	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-01-4	
Xylene (Total)	ND	mg/kg	0.010	0.0051	1		11/08/13 09:30	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	113	%.	85-118		1		11/08/13 09:30	1868-53-7	
Toluene-d8 (S)	105	%.	71-128		1		11/08/13 09:30	2037-26-5	

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7726 Moller Road
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(317)875-5894

ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813D **Lab ID: 5089041002** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	95	%.	56-144		1		11/08/13 09:30	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.3**	%	0.10	0.10	1		10/31/13 11:10		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(2-4)-102813 **Lab ID: 5089041003** Collected: 10/28/13 12:55 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**89.8**	mg/kg J	22.6	5.7	1	10/30/13 10:05	10/31/13 18:03		
TPH (C10-C20)	**25.9**	mg/kg J	11.3	5.7	1	10/30/13 10:05	10/31/13 18:03		
TPH (C20-C34)	**63.9**	mg/kg J	11.3	5.7	1	10/30/13 10:05	10/31/13 18:03		
Surrogates									
n-Pentacosane (S)	191	%.	30-153		1	10/30/13 10:05	10/31/13 18:03	629-99-2	2d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 15:48	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 15:48	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 15:48	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 15:48	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 15:48	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 15:48	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 15:48	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	57	%.	30-106		1	10/30/13 11:39	11/01/13 15:48	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.3	0.63	1		11/05/13 04:13		
Surrogates									
4-Bromofluorobenzene (S)	96	%.	38-163		1		11/05/13 04:13	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11200**	mg/kg	50.8	25.4	1	10/30/13 10:53	10/31/13 08:56	7429-90-5	
Antimony	**1.0J**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-36-0	
Arsenic	**16.5**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-38-2	
Barium	**228**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-39-3	
Beryllium	**1.2**	mg/kg	0.51	0.25	1	10/30/13 10:53	10/31/13 08:56	7440-41-7	
Cadmium	**1.1J**	mg/kg	2.0	0.51	1	10/30/13 10:53	10/31/13 08:56	7440-43-9	
Chromium	**16.1**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-47-3	
Cobalt	**6.0**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-48-4	
Copper	**58.5**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-50-8	
Lead	**344**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7439-92-1	
Nickel	**18.5**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-02-0	
Selenium	ND	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7782-49-2	
Silver	ND	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-22-4	
Thallium	ND	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-28-0	
Vanadium	**20.5**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-62-2	
Zinc	**320**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**1.7**	mg/kg	0.24	0.20	1	10/31/13 11:20	11/01/13 12:00	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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12-4-13

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(2-4)-102813 **Lab ID: 5089041003** Collected: 10/28/13 12:55 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	83-32-9	
Acenaphthylene	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	208-96-8	
Anthracene	**245J**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	120-12-7	
Benzo(a)anthracene	**685**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	56-55-3	
Benzo(a)pyrene	**678**	ug/kg	193	187	1	10/29/13 18:21	11/01/13 23:56	50-32-8	
Benzo(b)fluoranthene	**926**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	205-99-2	
Benzo(g,h,i)perylene	**431**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	191-24-2	
Benzo(k)fluoranthene	**283J**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	207-08-9	
Benzyl alcohol	ND	ug/kg	749	374	1	10/29/13 18:21	11/01/13 23:56	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	101-55-3	
Butylbenzylphthalate	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	749	374	1	10/29/13 18:21	11/01/13 23:56	59-50-7	
4-Chloroaniline	ND	ug/kg	749	374	1	10/29/13 18:21	11/01/13 23:56	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	108-60-1	
2-Chloronaphthalene	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	91-58-7	
2-Chlorophenol	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	7005-72-3	
Chrysene	**760**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	193	187	1	10/29/13 18:21	11/01/13 23:56	53-70-3	
Dibenzofuran	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	120-83-2	
Diethylphthalate	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	105-67-9	
Dimethylphthalate	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	131-11-3	
Di-n-butylphthalate	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1810	907	1	10/29/13 18:21	11/01/13 23:56	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1810	1810	1	10/29/13 18:21	11/01/13 23:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	606-20-2	
Di-n-octylphthalate	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	117-81-7	
Fluoranthene	**1440**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	206-44-0	
Fluorene	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	374	374	1	10/29/13 18:21	11/01/13 23:56	77-47-4	
Hexachloroethane	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	67-72-1	
Indeno(1,2,3-cd)pyrene	**442**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	193-39-5	
Isophorone	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	78-59-1	
2-Methylnaphthalene	**199J**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	749	374	1	10/29/13 18:21	11/01/13 23:56		
Naphthalene	**213J**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	91-20-3	
2-Nitroaniline	ND	ug/kg	1810	907	1	10/29/13 18:21	11/01/13 23:56	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(2-4)-102813 **Lab ID: 5089041003** Collected: 10/28/13 12:55 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1810	907	1	10/29/13 18:21	11/01/13 23:56	99-09-2	
4-Nitroaniline	ND	ug/kg	1810	907	1	10/29/13 18:21	11/01/13 23:56	100-01-6	
Nitrobenzene	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	98-95-3	
2-Nitrophenol	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	88-75-5	
4-Nitrophenol	ND	ug/kg	1810	907	1	10/29/13 18:21	11/01/13 23:56	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	86-30-6	
Phenanthrene	**989**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	85-01-8	
Phenol	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	108-95-2	
Pyrene	**1270**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	66	%.	28-101		1	10/29/13 18:21	11/01/13 23:56	4165-60-0	
2-Fluorobiphenyl (S)	63	%.	31-94		1	10/29/13 18:21	11/01/13 23:56	321-60-8	
p-Terphenyl-d14 (S)	75	%.	26-110		1	10/29/13 18:21	11/01/13 23:56	1718-51-0	
Phenol-d5 (S)	66	%.	28-101		1	10/29/13 18:21	11/01/13 23:56	4165-62-2	
2-Fluorophenol (S)	62	%.	24-104		1	10/29/13 18:21	11/01/13 23:56	367-12-4	
2,4,6-Tribromophenol (S)	60	%.	16-122		1	10/29/13 18:21	11/01/13 23:56	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.10	0.051	1		11/08/13 10:08	67-64-1	
Acrolein	ND	mg/kg	0.10	0.051	1		11/08/13 10:08	107-02-8	
Benzene	ND	mg/kg	0.0051	0.0010	1		11/08/13 10:08	71-43-2	
Bromobenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	108-86-1	
Bromochloromethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-27-4	
Bromoform	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-25-2	
Bromomethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.026	0.012	1		11/08/13 10:08	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	98-06-6	
Carbon disulfide	ND	mg/kg	0.010	0.0026	1		11/08/13 10:08	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	56-23-5	
Chlorobenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	108-90-7	
Chloroethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-00-3	
Chloroform	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	67-66-3	
Chloromethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	124-48-1	
Dibromomethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(2-4)-102813 **Lab ID: 5089041003** Collected: 10/28/13 12:55 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.10	0.051	1		11/08/13 10:08	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.10	0.051	1		11/08/13 10:08	97-63-2	
n-Hexane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	110-54-3	N2
2-Hexanone	ND	mg/kg	0.10	0.051	1		11/08/13 10:08	591-78-6	
Iodomethane	ND	mg/kg	0.10	0.051	1		11/08/13 10:08	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	99-87-6	
Methylene Chloride	ND	mg/kg	0.021	0.010	1		11/08/13 10:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.026	0.012	1		11/08/13 10:08	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	103-65-1	
Styrene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0051	0.0010	1		11/08/13 10:08	127-18-4	
Toluene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	79-00-5	
Trichloroethene	ND	mg/kg	0.0051	0.0010	1		11/08/13 10:08	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	108-67-8	
Vinyl acetate	ND	mg/kg	0.10	0.051	1		11/08/13 10:08	108-05-4	
Vinyl chloride	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-01-4	
Xylene (Total)	ND	mg/kg	0.010	0.0051	1		11/08/13 10:08	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	113	%.	85-118		1		11/08/13 10:08	1868-53-7	
Toluene-d8 (S)	119	%.	71-128		1		11/08/13 10:08	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(2-4)-102813 **Lab ID: 5089041003** Collected: 10/28/13 12:55 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	79	%.	56-144		1		11/08/13 10:08	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.1**	%	0.10	0.10	1		10/31/13 11:10		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.6**	Std. Units	0.10		1		10/30/13 12:38		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(8-10)-102813 **Lab ID: 5089041004** Collected: 10/28/13 13:00 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**75.6**	mg/kg J	21.4	5.3	1	10/30/13 10:05	10/31/13 12:37		
TPH (C10-C20)	**22.8**	mg/kg J	10.7	5.3	1	10/30/13 10:05	10/31/13 12:37		
TPH (C20-C34)	**52.8**	mg/kg J	10.7	5.3	1	10/30/13 10:05	10/31/13 12:37		
Surrogates									
n-Pentacosane (S)	193	%.	30-153		1	10/30/13 10:05	10/31/13 12:37	629-99-2	2d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	107	53.3	1	10/30/13 11:39	11/01/13 15:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	107	53.3	1	10/30/13 11:39	11/01/13 15:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	107	53.3	1	10/30/13 11:39	11/01/13 15:53	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	107	53.3	1	10/30/13 11:39	11/01/13 15:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	107	53.3	1	10/30/13 11:39	11/01/13 15:53	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	107	53.3	1	10/30/13 11:39	11/01/13 15:53	11097-69-1	
PCB-1260 (Aroclor 1260)	**147**	ug/kg	107	53.3	1	10/30/13 11:39	11/01/13 15:53	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	71	%.	30-106		1	10/30/13 11:39	11/01/13 15:53	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.91	0.45	1		11/05/13 04:38		
Surrogates									
4-Bromofluorobenzene (S)	102	%.	38-163		1		11/05/13 04:38	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7160**	mg/kg	47.6	23.8	1	10/30/13 10:53	10/31/13 08:58	7429-90-5	
Antimony	ND	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-36-0	
Arsenic	**11.7**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-38-2	
Barium	**275**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-39-3	
Beryllium	**0.63**	mg/kg	0.48	0.24	1	10/30/13 10:53	10/31/13 08:58	7440-41-7	
Cadmium	**0.64J**	mg/kg	1.9	0.48	1	10/30/13 10:53	10/31/13 08:58	7440-43-9	
Chromium	**10.1**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-47-3	
Cobalt	**6.9**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-48-4	
Copper	**38.9**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-50-8	
Lead	**204**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7439-92-1	
Nickel	**17.1**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-02-0	
Selenium	ND	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7782-49-2	
Silver	ND	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-22-4	
Thallium	ND	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-28-0	
Vanadium	**16.6**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-62-2	
Zinc	**218**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.34**	mg/kg	0.21	0.18	1	10/31/13 11:20	11/01/13 12:08	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(8-10)-102813 **Lab ID: 5089041004** Collected: 10/28/13 13:00 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	83-32-9	
Acenaphthylene	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	208-96-8	
Anthracene	**195J**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	120-12-7	
Benzo(a)anthracene	**456**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	56-55-3	
Benzo(a)pyrene	**358**	ug/kg	182	176	1	10/29/13 18:21	11/02/13 00:17	50-32-8	
Benzo(b)fluoranthene	**519**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	205-99-2	
Benzo(g,h,i)perylene	**305J**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	191-24-2	
Benzo(k)fluoranthene	**225J**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	207-08-9	
Benzyl alcohol	ND	ug/kg	706	353	1	10/29/13 18:21	11/02/13 00:17	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	101-55-3	
Butylbenzylphthalate	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	706	353	1	10/29/13 18:21	11/02/13 00:17	59-50-7	
4-Chloroaniline	ND	ug/kg	706	353	1	10/29/13 18:21	11/02/13 00:17	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	108-60-1	
2-Chloronaphthalene	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	91-58-7	
2-Chlorophenol	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	7005-72-3	
Chrysene	**514**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	182	176	1	10/29/13 18:21	11/02/13 00:17	53-70-3	
Dibenzofuran	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	120-83-2	
Diethylphthalate	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	105-67-9	
Dimethylphthalate	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	131-11-3	
Di-n-butylphthalate	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1710	855	1	10/29/13 18:21	11/02/13 00:17	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1710	1710	1	10/29/13 18:21	11/02/13 00:17	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	606-20-2	
Di-n-octylphthalate	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	117-81-7	
Fluoranthene	**970**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	206-44-0	
Fluorene	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	353	353	1	10/29/13 18:21	11/02/13 00:17	77-47-4	
Hexachloroethane	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	67-72-1	
Indeno(1,2,3-cd)pyrene	**300J**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	193-39-5	
Isophorone	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	78-59-1	
2-Methylnaphthalene	**227J**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	706	353	1	10/29/13 18:21	11/02/13 00:17		
Naphthalene	**237J**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	91-20-3	
2-Nitroaniline	ND	ug/kg	1710	855	1	10/29/13 18:21	11/02/13 00:17	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(8-10)-102813 **Lab ID: 5089041004** Collected: 10/28/13 13:00 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1710	855	1	10/29/13 18:21	11/02/13 00:17	99-09-2	
4-Nitroaniline	ND	ug/kg	1710	855	1	10/29/13 18:21	11/02/13 00:17	100-01-6	
Nitrobenzene	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	98-95-3	
2-Nitrophenol	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	88-75-5	
4-Nitrophenol	ND	ug/kg	1710	855	1	10/29/13 18:21	11/02/13 00:17	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	86-30-6	
Phenanthrene	**1130**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	85-01-8	
Phenol	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	108-95-2	
Pyrene	**869**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	63	%.	28-101		1	10/29/13 18:21	11/02/13 00:17	4165-60-0	
2-Fluorobiphenyl (S)	66	%.	31-94		1	10/29/13 18:21	11/02/13 00:17	321-60-8	
p-Terphenyl-d14 (S)	88	%.	26-110		1	10/29/13 18:21	11/02/13 00:17	1718-51-0	
Phenol-d5 (S)	68	%.	28-101		1	10/29/13 18:21	11/02/13 00:17	4165-62-2	
2-Fluorophenol (S)	63	%.	24-104		1	10/29/13 18:21	11/02/13 00:17	367-12-4	
2,4,6-Tribromophenol (S)	66	%.	16-122		1	10/29/13 18:21	11/02/13 00:17	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.095	0.048	1		11/08/13 10:46	67-64-1	
Acrolein	ND	mg/kg	0.095	0.048	1		11/08/13 10:46	107-02-8	
Benzene	**0.0011J**	mg/kg	0.0048	0.00095	1		11/08/13 10:46	71-43-2	
Bromobenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	108-86-1	
Bromochloromethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-27-4	
Bromoform	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-25-2	
Bromomethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.024	0.011	1		11/08/13 10:46	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	98-06-6	
Carbon disulfide	ND	mg/kg	0.0095	0.0024	1		11/08/13 10:46	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	56-23-5	
Chlorobenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	108-90-7	
Chloroethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-00-3	
Chloroform	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	67-66-3	
Chloromethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	124-48-1	
Dibromomethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(8-10)-102813 **Lab ID: 5089041004** Collected: 10/28/13 13:00 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.095	0.048	1		11/08/13 10:46	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.095	0.048	1		11/08/13 10:46	97-63-2	
n-Hexane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	110-54-3	N2
2-Hexanone	ND	mg/kg	0.095	0.048	1		11/08/13 10:46	591-78-6	
Iodomethane	ND	mg/kg	0.095	0.048	1		11/08/13 10:46	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	99-87-6	
Methylene Chloride	ND	mg/kg	0.019	0.0095	1		11/08/13 10:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.024	0.011	1		11/08/13 10:46	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	103-65-1	
Styrene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0048	0.00095	1		11/08/13 10:46	127-18-4	
Toluene	**0.066**	mg/kg	0.0048	0.0024	1		11/08/13 10:46	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	79-00-5	
Trichloroethene	ND	mg/kg	0.0048	0.00095	1		11/08/13 10:46	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	108-67-8	
Vinyl acetate	ND	mg/kg	0.095	0.048	1		11/08/13 10:46	108-05-4	
Vinyl chloride	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-01-4	
Xylene (Total)	ND	mg/kg	0.0095	0.0048	1		11/08/13 10:46	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	106	%.	85-118		1		11/08/13 10:46	1868-53-7	
Toluene-d8 (S)	113	%.	71-128		1		11/08/13 10:46	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(8-10)-102813 **Lab ID: 5089041004** Collected: 10/28/13 13:00 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	87	%.	56-144		1		11/08/13 10:46	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.4**	%	0.10	0.10	1		10/31/13 11:10		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(24-26)-102813 **Lab ID: 5089041005** Collected: 10/28/13 13:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**5.8J**	mg/kg	22.9	5.7	1	10/30/13 10:05	10/31/13 12:44		
TPH (C10-C20)	ND	mg/kg	11.4	5.7	1	10/30/13 10:05	10/31/13 12:44		
TPH (C20-C34)	ND	mg/kg	11.4	5.7	1	10/30/13 10:05	10/31/13 12:44		
Surrogates									
n-Pentacosane (S)	86	%.	30-153		1	10/30/13 10:05	10/31/13 12:44	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	114	56.8	1	10/30/13 11:39	11/01/13 15:59	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	114	56.8	1	10/30/13 11:39	11/01/13 15:59	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	114	56.8	1	10/30/13 11:39	11/01/13 15:59	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	114	56.8	1	10/30/13 11:39	11/01/13 15:59	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	114	56.8	1	10/30/13 11:39	11/01/13 15:59	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	114	56.8	1	10/30/13 11:39	11/01/13 15:59	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	114	56.8	1	10/30/13 11:39	11/01/13 15:59	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	67	%.	30-106		1	10/30/13 11:39	11/01/13 15:59	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.83	0.41	1		11/05/13 05:02		
Surrogates									
4-Bromofluorobenzene (S)	105	%.	38-163		1		11/05/13 05:02	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**5300**	mg/kg	49.7	24.9	1	10/30/13 10:53	10/31/13 09:00	7429-90-5	
Antimony	ND	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-36-0	
Arsenic	**9.1**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-38-2	
Barium	**78.6**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-39-3	
Beryllium	**0.40J**	mg/kg	0.50	0.25	1	10/30/13 10:53	10/31/13 09:00	7440-41-7	
Cadmium	ND	mg/kg	2.0	0.50	1	10/30/13 10:53	10/31/13 09:00	7440-43-9	
Chromium	**8.5**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-47-3	
Cobalt	**5.2**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-48-4	
Copper	**23.2**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-50-8	
Lead	**115**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7439-92-1	
Nickel	**17.9**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-02-0	
Selenium	ND	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7782-49-2	
Silver	ND	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-22-4	
Thallium	ND	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-28-0	
Vanadium	**13.0**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-62-2	
Zinc	**99.2**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	0.20	1	10/31/13 11:20	11/01/13 12:10	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(24-26)-102813 **Lab ID: 5089041005** Collected: 10/28/13 13:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	83-32-9	
Acenaphthylene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	208-96-8	
Anthracene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	120-12-7	
Benzo(a)anthracene	**245J**	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	56-55-3	
Benzo(a)pyrene	**222**	ug/kg	194	189	1	10/29/13 18:21	11/02/13 00:38	50-32-8	
Benzo(b)fluoranthene	**280J**	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	207-08-9	
Benzyl alcohol	ND	ug/kg	755	377	1	10/29/13 18:21	11/02/13 00:38	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	101-55-3	
Butylbenzylphthalate	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	755	377	1	10/29/13 18:21	11/02/13 00:38	59-50-7	
4-Chloroaniline	ND	ug/kg	755	377	1	10/29/13 18:21	11/02/13 00:38	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	108-60-1	
2-Chloronaphthalene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	91-58-7	
2-Chlorophenol	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	7005-72-3	
Chrysene	**259J**	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	194	189	1	10/29/13 18:21	11/02/13 00:38	53-70-3	
Dibenzofuran	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	120-83-2	
Diethylphthalate	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	105-67-9	
Dimethylphthalate	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	131-11-3	
Di-n-butylphthalate	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1830	915	1	10/29/13 18:21	11/02/13 00:38	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1830	1830	1	10/29/13 18:21	11/02/13 00:38	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	606-20-2	
Di-n-octylphthalate	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	117-81-7	
Fluoranthene	**628**	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	206-44-0	
Fluorene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	377	377	1	10/29/13 18:21	11/02/13 00:38	77-47-4	
Hexachloroethane	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	193-39-5	
Isophorone	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	78-59-1	
2-Methylnaphthalene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	755	377	1	10/29/13 18:21	11/02/13 00:38		
Naphthalene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	91-20-3	
2-Nitroaniline	ND	ug/kg	1830	915	1	10/29/13 18:21	11/02/13 00:38	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(24-26)-102813 **Lab ID: 5089041005** Collected: 10/28/13 13:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1830	915	1	10/29/13 18:21	11/02/13 00:38	99-09-2	
4-Nitroaniline	ND	ug/kg	1830	915	1	10/29/13 18:21	11/02/13 00:38	100-01-6	
Nitrobenzene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	98-95-3	
2-Nitrophenol	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	88-75-5	
4-Nitrophenol	ND	ug/kg	1830	915	1	10/29/13 18:21	11/02/13 00:38	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	86-30-6	
Phenanthrene	**620**	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	85-01-8	
Phenol	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	108-95-2	
Pyrene	**492**	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	67	%.	28-101		1	10/29/13 18:21	11/02/13 00:38	4165-60-0	
2-Fluorobiphenyl (S)	62	%.	31-94		1	10/29/13 18:21	11/02/13 00:38	321-60-8	
p-Terphenyl-d14 (S)	71	%.	26-110		1	10/29/13 18:21	11/02/13 00:38	1718-51-0	
Phenol-d5 (S)	74	%.	28-101		1	10/29/13 18:21	11/02/13 00:38	4165-62-2	
2-Fluorophenol (S)	72	%.	24-104		1	10/29/13 18:21	11/02/13 00:38	367-12-4	
2,4,6-Tribromophenol (S)	70	%.	16-122		1	10/29/13 18:21	11/02/13 00:38	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.087	0.044	1		11/08/13 11:24	67-64-1	
Acrolein	ND	mg/kg	0.087	0.044	1		11/08/13 11:24	107-02-8	
Benzene	ND	mg/kg	0.0044	0.00087	1		11/08/13 11:24	71-43-2	
Bromobenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	108-86-1	
Bromochloromethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-27-4	
Bromoform	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-25-2	
Bromomethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.022	0.010	1		11/08/13 11:24	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	98-06-6	
Carbon disulfide	ND	mg/kg	0.0087	0.0022	1		11/08/13 11:24	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	56-23-5	
Chlorobenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	108-90-7	
Chloroethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-00-3	
Chloroform	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	67-66-3	
Chloromethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	124-48-1	
Dibromomethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	95-50-1	

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Indianapolis, IN 46268
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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(24-26)-102813 **Lab ID: 5089041005** Collected: 10/28/13 13:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.087	0.044	1		11/08/13 11:24	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.087	0.044	1		11/08/13 11:24	97-63-2	
n-Hexane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	110-54-3	N2
2-Hexanone	ND	mg/kg	0.087	0.044	1		11/08/13 11:24	591-78-6	
Iodomethane	ND	mg/kg	0.087	0.044	1		11/08/13 11:24	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	99-87-6	
Methylene Chloride	ND	mg/kg	0.017	0.0087	1		11/08/13 11:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.022	0.010	1		11/08/13 11:24	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	103-65-1	
Styrene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0044	0.00087	1		11/08/13 11:24	127-18-4	
Toluene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	79-00-5	
Trichloroethene	ND	mg/kg	0.0044	0.00087	1		11/08/13 11:24	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	108-67-8	
Vinyl acetate	ND	mg/kg	0.087	0.044	1		11/08/13 11:24	108-05-4	
Vinyl chloride	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-01-4	
Xylene (Total)	ND	mg/kg	0.0087	0.0044	1		11/08/13 11:24	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	109	%.	85-118		1		11/08/13 11:24	1868-53-7	
Toluene-d8 (S)	109	%.	71-128		1		11/08/13 11:24	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(24-26)-102813 **Lab ID: 5089041005** Collected: 10/28/13 13:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	86	%.	56-144		1		11/08/13 11:24	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.1**	%	0.10	0.10	1		10/31/13 11:11		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: Trip Blank **Lab ID: 5089041006** Collected: 10/28/13 08:00 Received: 10/29/13 09:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	5.0	1		11/08/13 20:08	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/08/13 20:08	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/08/13 20:08	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/08/13 20:08	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/08/13 20:08	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/08/13 20:08	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/08/13 20:08	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/08/13 20:08	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/08/13 20:08	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/08/13 20:08	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/08/13 20:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/08/13 20:08	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/08/13 20:08	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/08/13 20:08	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/08/13 20:08	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/08/13 20:08	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/08/13 20:08	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: Trip Blank **Lab ID: 5089041006** Collected: 10/28/13 08:00 Received: 10/29/13 09:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/08/13 20:08	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	108-88-3	
Trichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/08/13 20:08	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/08/13 20:08	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/08/13 20:08	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/08/13 20:08	110-57-6	
Surrogates									
Dibromofluoromethane (S)	104	%.	79-116		1		11/08/13 20:08	1868-53-7	
4-Bromofluorobenzene (S)	105	%.	80-114		1		11/08/13 20:08	460-00-4	
Toluene-d8 (S)	98	%.	81-110		1		11/08/13 20:08	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(0-2)102813 **Lab ID: 5089046001** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**97.4**	mg/kg	22.0	5.5	1	10/30/13 10:05	10/31/13 18:10		
TPH (C10-C20)	**19.0**	mg/kg	11.0	5.5	1	10/30/13 10:05	10/31/13 18:10		
TPH (C20-C34)	**78.4**	mg/kg	11.0	5.5	1	10/30/13 10:05	10/31/13 18:10		
Surrogates									
n-Pentacosane (S)	193	%.	30-153		1	10/30/13 10:05	10/31/13 18:10	629-99-2	2d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	110	55.1	1	10/30/13 11:39	11/01/13 16:05	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	110	55.1	1	10/30/13 11:39	11/01/13 16:05	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	110	55.1	1	10/30/13 11:39	11/01/13 16:05	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	110	55.1	1	10/30/13 11:39	11/01/13 16:05	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	110	55.1	1	10/30/13 11:39	11/01/13 16:05	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	110	55.1	1	10/30/13 11:39	11/01/13 16:05	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	110	55.1	1	10/30/13 11:39	11/01/13 16:05	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	68	%.	30-106		1	10/30/13 11:39	11/01/13 16:05	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.91	0.45	1		11/05/13 05:27		
Surrogates									
4-Bromofluorobenzene (S)	100	%.	38-163		1		11/05/13 05:27	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**9840**	mg/kg	53.7	26.9	1	10/30/13 10:53	10/31/13 09:03	7429-90-5	
Antimony	ND	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-36-0	
Arsenic	**39.5**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-38-2	
Barium	**279**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-39-3	
Beryllium	**0.62**	mg/kg	0.54	0.27	1	10/30/13 10:53	10/31/13 09:03	7440-41-7	
Cadmium	**0.76J**	mg/kg	2.1	0.54	1	10/30/13 10:53	10/31/13 09:03	7440-43-9	
Chromium	**21.5**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-47-3	
Cobalt	**3.2**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-48-4	
Copper	**32.4**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-50-8	
Lead	**56.8**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7439-92-1	
Nickel	**12.0**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-02-0	
Selenium	ND	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7782-49-2	
Silver	ND	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-22-4	
Thallium	**3.0**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-28-0	
Vanadium	**25.5**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-62-2	
Zinc	**179**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.44**	mg/kg	0.23	0.20	1	11/04/13 11:45	11/05/13 10:51	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(0-2)102813 **Lab ID: 5089046001** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**274J**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	83-32-9	
Acenaphthylene	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	208-96-8	
Anthracene	**563**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	120-12-7	
Benzo(a)anthracene	**1740**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	56-55-3	
Benzo(a)pyrene	**1650**	ug/kg	189	183	1	10/29/13 18:21	11/02/13 00:58	50-32-8	
Benzo(b)fluoranthene	**2410**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	205-99-2	
Benzo(g,h,i)perylene	**1100**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	191-24-2	
Benzo(k)fluoranthene	**804**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	207-08-9	
Benzyl alcohol	ND	ug/kg	732	366	1	10/29/13 18:21	11/02/13 00:58	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	101-55-3	
Butylbenzylphthalate	**18500**	ug/kg	3660	1830	10	10/29/13 18:21	11/07/13 16:51	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	732	366	1	10/29/13 18:21	11/02/13 00:58	59-50-7	
4-Chloroaniline	ND	ug/kg	732	366	1	10/29/13 18:21	11/02/13 00:58	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	108-60-1	
2-Chloronaphthalene	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	91-58-7	
2-Chlorophenol	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	7005-72-3	
Chrysene	**1880**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	218-01-9	
Dibenz(a,h)anthracene	**309**	ug/kg	189	183	1	10/29/13 18:21	11/02/13 00:58	53-70-3	
Dibenzofuran	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	120-83-2	
Diethylphthalate	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	105-67-9	
Dimethylphthalate	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	131-11-3	
Di-n-butylphthalate	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1780	888	1	10/29/13 18:21	11/02/13 00:58	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1780	1780	1	10/29/13 18:21	11/02/13 00:58	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	606-20-2	
Di-n-octylphthalate	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	117-84-0	
bis(2-Ethylhexyl)phthalate	**43500**	ug/kg	3660	1830	10	10/29/13 18:21	11/07/13 16:51	117-81-7	
Fluoranthene	**4350**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	206-44-0	
Fluorene	**286J**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	366	366	1	10/29/13 18:21	11/02/13 00:58	77-47-4	
Hexachloroethane	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	67-72-1	
Indeno(1,2,3-cd)pyrene	**1160**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	193-39-5	
Isophorone	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	78-59-1	
2-Methylnaphthalene	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	732	366	1	10/29/13 18:21	11/02/13 00:58		
Naphthalene	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	91-20-3	
2-Nitroaniline	ND	ug/kg	1780	888	1	10/29/13 18:21	11/02/13 00:58	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(0-2)102813 **Lab ID: 5089046001** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1780	888	1	10/29/13 18:21	11/02/13 00:58	99-09-2	
4-Nitroaniline	ND	ug/kg	1780	888	1	10/29/13 18:21	11/02/13 00:58	100-01-6	
Nitrobenzene	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	98-95-3	
2-Nitrophenol	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	88-75-5	
4-Nitrophenol	ND	ug/kg	1780	888	1	10/29/13 18:21	11/02/13 00:58	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	86-30-6	
Phenanthrene	**2610**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	85-01-8	
Phenol	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	108-95-2	
Pyrene	**3590**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	53	%.	28-101		1	10/29/13 18:21	11/02/13 00:58	4165-60-0	
2-Fluorobiphenyl (S)	53	%.	31-94		1	10/29/13 18:21	11/02/13 00:58	321-60-8	
p-Terphenyl-d14 (S)	70	%.	26-110		1	10/29/13 18:21	11/02/13 00:58	1718-51-0	
Phenol-d5 (S)	56	%.	28-101		1	10/29/13 18:21	11/02/13 00:58	4165-62-2	
2-Fluorophenol (S)	56	%.	24-104		1	10/29/13 18:21	11/02/13 00:58	367-12-4	
2,4,6-Tribromophenol (S)	60	%.	16-122		1	10/29/13 18:21	11/02/13 00:58	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.098	0.049	1		11/08/13 16:39	67-64-1	
Acrolein	ND	mg/kg	0.098	0.049	1		11/08/13 16:39	107-02-8	
Benzene	ND	mg/kg	0.0049	0.00098	1		11/08/13 16:39	71-43-2	
Bromobenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	108-86-1	
Bromochloromethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-27-4	
Bromoform	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-25-2	
Bromomethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.025	0.012	1		11/08/13 16:39	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	98-06-6	
Carbon disulfide	ND	mg/kg	0.0098	0.0025	1		11/08/13 16:39	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	56-23-5	
Chlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	108-90-7	
Chloroethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-00-3	
Chloroform	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	67-66-3	
Chloromethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	124-48-1	
Dibromomethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(0-2)102813 **Lab ID: 5089046001** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.098	0.049	1		11/08/13 16:39	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.098	0.049	1		11/08/13 16:39	97-63-2	
n-Hexane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	110-54-3	N2
2-Hexanone	ND	mg/kg	0.098	0.049	1		11/08/13 16:39	591-78-6	
Iodomethane	ND	mg/kg	0.098	0.049	1		11/08/13 16:39	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	99-87-6	
Methylene Chloride	ND	mg/kg	0.020	0.0098	1		11/08/13 16:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.025	0.012	1		11/08/13 16:39	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	103-65-1	
Styrene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0049	0.00098	1		11/08/13 16:39	127-18-4	
Toluene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	79-00-5	
Trichloroethene	ND	mg/kg	0.0049	0.00098	1		11/08/13 16:39	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	108-67-8	
Vinyl acetate	ND	mg/kg	0.098	0.049	1		11/08/13 16:39	108-05-4	
Vinyl chloride	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-01-4	
Xylene (Total)	ND	mg/kg	0.0098	0.0049	1		11/08/13 16:39	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	113	%.	85-118		1		11/08/13 16:39	1868-53-7	
Toluene-d8 (S)	109	%.	71-128		1		11/08/13 16:39	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(0-2)102813 **Lab ID: 5089046001** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	95	%.	56-144		1		11/08/13 16:39	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.9**	%	0.10	0.10	1		10/31/13 11:11		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(2-4)102813 **Lab ID: 5089046002** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**34.4**	mg/kg	22.1	5.5	1	10/30/13 10:05	10/31/13 12:57		J
TPH (C10-C20)	**6.6J**	mg/kg	11.1	5.5	1	10/30/13 10:05	10/31/13 12:57		J
TPH (C20-C34)	**27.8**	mg/kg	11.1	5.5	1	10/30/13 10:05	10/31/13 12:57		J
Surrogates									
n-Pentacosane (S)	145	%.	30-153		1	10/30/13 10:05	10/31/13 12:57	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	111	55.7	1	10/30/13 11:39	11/01/13 16:11	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	111	55.7	1	10/30/13 11:39	11/01/13 16:11	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	111	55.7	1	10/30/13 11:39	11/01/13 16:11	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	111	55.7	1	10/30/13 11:39	11/01/13 16:11	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	111	55.7	1	10/30/13 11:39	11/01/13 16:11	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	111	55.7	1	10/30/13 11:39	11/01/13 16:11	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	111	55.7	1	10/30/13 11:39	11/01/13 16:11	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	71	%.	30-106		1	10/30/13 11:39	11/01/13 16:11	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.90	0.45	1		11/05/13 05:52		
Surrogates									
4-Bromofluorobenzene (S)	100	%.	38-163		1		11/05/13 05:52	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7650**	mg/kg	48.1	24.1	1	10/30/13 10:53	10/31/13 09:09	7429-90-5	
Antimony	**1.7J**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-36-0	
Arsenic	**10.8**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-38-2	
Barium	**87.0**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-39-3	
Beryllium	**0.41J**	mg/kg	0.48	0.24	1	10/30/13 10:53	10/31/13 09:09	7440-41-7	
Cadmium	**0.67J**	mg/kg	1.9	0.48	1	10/30/13 10:53	10/31/13 09:09	7440-43-9	
Chromium	**25.3**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-47-3	
Cobalt	**1.3J**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-48-4	
Copper	**86.5**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-50-8	
Lead	**100**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7439-92-1	
Nickel	**10.2**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-02-0	
Selenium	ND	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7782-49-2	
Silver	ND	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-22-4	
Thallium	**1.0J**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-28-0	
Vanadium	**18.8**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-62-2	
Zinc	**59.9**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	0.20	1	11/04/13 11:45	11/05/13 10:53	7439-97-6	

12-4-13

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(2-4)102813 **Lab ID: 5089046002** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	83-32-9	
Acenaphthylene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	208-96-8	
Anthracene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	120-12-7	
Benzo(a)anthracene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	56-55-3	
Benzo(a)pyrene	ND	ug/kg	189	184	1	10/29/13 18:21	11/02/13 01:19	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	207-08-9	
Benzyl alcohol	ND	ug/kg	735	367	1	10/29/13 18:21	11/02/13 01:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	101-55-3	
Butylbenzylphthalate	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	735	367	1	10/29/13 18:21	11/02/13 01:19	59-50-7	
4-Chloroaniline	ND	ug/kg	735	367	1	10/29/13 18:21	11/02/13 01:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	108-60-1	
2-Chloronaphthalene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	91-58-7	
2-Chlorophenol	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	7005-72-3	
Chrysene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	189	184	1	10/29/13 18:21	11/02/13 01:19	53-70-3	
Dibenzofuran	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	120-83-2	
Diethylphthalate	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	105-67-9	
Dimethylphthalate	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	131-11-3	
Di-n-butylphthalate	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1780	890	1	10/29/13 18:21	11/02/13 01:19	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1780	1780	1	10/29/13 18:21	11/02/13 01:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	606-20-2	
Di-n-octylphthalate	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	117-81-7	
Fluoranthene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	206-44-0	
Fluorene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	367	367	1	10/29/13 18:21	11/02/13 01:19	77-47-4	
Hexachloroethane	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	193-39-5	
Isophorone	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	78-59-1	
2-Methylnaphthalene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	735	367	1	10/29/13 18:21	11/02/13 01:19		
Naphthalene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	91-20-3	
2-Nitroaniline	ND	ug/kg	1780	890	1	10/29/13 18:21	11/02/13 01:19	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(2-4)102813 **Lab ID: 5089046002** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1780	890	1	10/29/13 18:21	11/02/13 01:19	99-09-2	
4-Nitroaniline	ND	ug/kg	1780	890	1	10/29/13 18:21	11/02/13 01:19	100-01-6	
Nitrobenzene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	98-95-3	
2-Nitrophenol	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	88-75-5	
4-Nitrophenol	ND	ug/kg	1780	890	1	10/29/13 18:21	11/02/13 01:19	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	86-30-6	
Phenanthrene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	85-01-8	
Phenol	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	108-95-2	
Pyrene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	53	%.	28-101		1	10/29/13 18:21	11/02/13 01:19	4165-60-0	
2-Fluorobiphenyl (S)	54	%.	31-94		1	10/29/13 18:21	11/02/13 01:19	321-60-8	
p-Terphenyl-d14 (S)	70	%.	26-110		1	10/29/13 18:21	11/02/13 01:19	1718-51-0	
Phenol-d5 (S)	60	%.	28-101		1	10/29/13 18:21	11/02/13 01:19	4165-62-2	
2-Fluorophenol (S)	57	%.	24-104		1	10/29/13 18:21	11/02/13 01:19	367-12-4	
2,4,6-Tribromophenol (S)	61	%.	16-122		1	10/29/13 18:21	11/02/13 01:19	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**0.17**	mg/kg	0.089	0.045	1		11/08/13 17:17	67-64-1	
Acrolein	ND	mg/kg	0.089	0.045	1		11/08/13 17:17	107-02-8	
Benzene	ND	mg/kg	0.0045	0.00089	1		11/08/13 17:17	71-43-2	
Bromobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	108-86-1	
Bromochloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-27-4	
Bromoform	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-25-2	
Bromomethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	74-83-9	
2-Butanone (MEK)	**0.022**	mg/kg	0.022	0.011	1		11/08/13 17:17	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	98-06-6	
Carbon disulfide	**0.0040J**	mg/kg	0.0089	0.0022	1		11/08/13 17:17	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	108-90-7	
Chloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-00-3	
Chloroform	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	67-66-3	
Chloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	124-48-1	
Dibromomethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(2-4)102813 **Lab ID: 5089046002** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.089	0.045	1		11/08/13 17:17	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.089	0.045	1		11/08/13 17:17	97-63-2	
n-Hexane	**0.027**	mg/kg	0.0045	0.0022	1		11/08/13 17:17	110-54-3	N2
2-Hexanone	ND	mg/kg	0.089	0.045	1		11/08/13 17:17	591-78-6	
Iodomethane	ND	mg/kg	0.089	0.045	1		11/08/13 17:17	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0089	1		11/08/13 17:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.022	0.011	1		11/08/13 17:17	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	103-65-1	
Styrene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0045	0.00089	1		11/08/13 17:17	127-18-4	
Toluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	79-00-5	
Trichloroethene	ND	mg/kg	0.0045	0.00089	1		11/08/13 17:17	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	108-67-8	
Vinyl acetate	ND	mg/kg	0.089	0.045	1		11/08/13 17:17	108-05-4	
Vinyl chloride	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-01-4	
Xylene (Total)	ND	mg/kg	0.0089	0.0045	1		11/08/13 17:17	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	97	%.	85-118		1		11/08/13 17:17	1868-53-7	
Toluene-d8 (S)	115	%.	71-128		1		11/08/13 17:17	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(2-4)102813 **Lab ID: 5089046002** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	85	%.	56-144		1		11/08/13 17:17	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.2**	%	0.10	0.10	1		10/31/13 11:11		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**5.5**	Std. Units	0.10		1		10/30/13 12:40		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(8-10)102813 **Lab ID: 5089046003** Collected: 10/28/13 10:05 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	ND	mg/kg	22.7	5.7	1	10/30/13 10:05	10/31/13 13:17		
TPH (C10-C20)	ND	mg/kg	11.3	5.7	1	10/30/13 10:05	10/31/13 13:17		
TPH (C20-C34)	ND	mg/kg	11.3	5.7	1	10/30/13 10:05	10/31/13 13:17		
Surrogates									
n-Pentacosane (S)	80	%.	30-153		1	10/30/13 10:05	10/31/13 13:17	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 16:23	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 16:23	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 16:23	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 16:23	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 16:23	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 16:23	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 16:23	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	75	%.	30-106		1	10/30/13 11:39	11/01/13 16:23	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.78	0.39	1		11/05/13 06:17		
Surrogates									
4-Bromofluorobenzene (S)	99	%.	38-163		1		11/05/13 06:17	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**6430**	mg/kg	54.2	27.1	1	10/30/13 10:53	10/31/13 09:11	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-36-0	
Arsenic	**11.1**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-38-2	
Barium	**21.3**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-39-3	
Beryllium	**0.37J**	mg/kg	0.54	0.27	1	10/30/13 10:53	10/31/13 09:11	7440-41-7	
Cadmium	ND	mg/kg	2.2	0.54	1	10/30/13 10:53	10/31/13 09:11	7440-43-9	
Chromium	**9.1**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-47-3	
Cobalt	**6.7**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-48-4	
Copper	**19.3**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-50-8	
Lead	**7.2**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7439-92-1	
Nickel	**18.9**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-28-0	
Vanadium	**16.4**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-62-2	
Zinc	**56.9**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	0.20	1	11/04/13 11:45	11/05/13 10:55	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(8-10)102813 **Lab ID: 5089046003** Collected: 10/28/13 10:05 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	83-32-9	
Acenaphthylene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	208-96-8	
Anthracene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	120-12-7	
Benzo(a)anthracene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	56-55-3	
Benzo(a)pyrene	ND	ug/kg	191	185	1	10/29/13 18:21	11/01/13 09:26	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	207-08-9	
Benzyl alcohol	ND	ug/kg	741	371	1	10/29/13 18:21	11/01/13 09:26	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	101-55-3	
Butylbenzylphthalate	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	741	371	1	10/29/13 18:21	11/01/13 09:26	59-50-7	
4-Chloroaniline	ND	ug/kg	741	371	1	10/29/13 18:21	11/01/13 09:26	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	108-60-1	
2-Chloronaphthalene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	91-58-7	
2-Chlorophenol	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	7005-72-3	
Chrysene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	191	185	1	10/29/13 18:21	11/01/13 09:26	53-70-3	
Dibenzofuran	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	120-83-2	
Diethylphthalate	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	105-67-9	
Dimethylphthalate	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	131-11-3	
Di-n-butylphthalate	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1800	898	1	10/29/13 18:21	11/01/13 09:26	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1800	1800	1	10/29/13 18:21	11/01/13 09:26	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	606-20-2	
Di-n-octylphthalate	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	117-81-7	
Fluoranthene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	206-44-0	
Fluorene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	371	371	1	10/29/13 18:21	11/01/13 09:26	77-47-4	
Hexachloroethane	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	193-39-5	
Isophorone	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	78-59-1	
2-Methylnaphthalene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	741	371	1	10/29/13 18:21	11/01/13 09:26		
Naphthalene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	91-20-3	
2-Nitroaniline	ND	ug/kg	1800	898	1	10/29/13 18:21	11/01/13 09:26	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(8-10)102813 **Lab ID: 5089046003** Collected: 10/28/13 10:05 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1800	898	1	10/29/13 18:21	11/01/13 09:26	99-09-2	
4-Nitroaniline	ND	ug/kg	1800	898	1	10/29/13 18:21	11/01/13 09:26	100-01-6	
Nitrobenzene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	98-95-3	
2-Nitrophenol	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	88-75-5	
4-Nitrophenol	ND	ug/kg	1800	898	1	10/29/13 18:21	11/01/13 09:26	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	86-30-6	
Phenanthrene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	85-01-8	
Phenol	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	108-95-2	
Pyrene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	65	%.	28-101		1	10/29/13 18:21	11/01/13 09:26	4165-60-0	
2-Fluorobiphenyl (S)	64	%.	31-94		1	10/29/13 18:21	11/01/13 09:26	321-60-8	
p-Terphenyl-d14 (S)	72	%.	26-110		1	10/29/13 18:21	11/01/13 09:26	1718-51-0	
Phenol-d5 (S)	66	%.	28-101		1	10/29/13 18:21	11/01/13 09:26	4165-62-2	
2-Fluorophenol (S)	76	%.	24-104		1	10/29/13 18:21	11/01/13 09:26	367-12-4	
2,4,6-Tribromophenol (S)	78	%.	16-122		1	10/29/13 18:21	11/01/13 09:26	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.081	0.040	1		11/08/13 17:55	67-64-1	
Acrolein	ND	mg/kg	0.081	0.040	1		11/08/13 17:55	107-02-8	
Benzene	ND	mg/kg	0.0040	0.00081	1		11/08/13 17:55	71-43-2	
Bromobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	108-86-1	
Bromochloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-27-4	
Bromoform	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-25-2	
Bromomethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.020	0.0097	1		11/08/13 17:55	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	98-06-6	
Carbon disulfide	ND	mg/kg	0.0081	0.0020	1		11/08/13 17:55	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	56-23-5	
Chlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	108-90-7	
Chloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-00-3	
Chloroform	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	67-66-3	
Chloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	124-48-1	
Dibromomethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(8-10)102813 **Lab ID: 5089046003** Collected: 10/28/13 10:05 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.081	0.040	1		11/08/13 17:55	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.081	0.040	1		11/08/13 17:55	97-63-2	
n-Hexane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	110-54-3	N2
2-Hexanone	ND	mg/kg	0.081	0.040	1		11/08/13 17:55	591-78-6	
Iodomethane	ND	mg/kg	0.081	0.040	1		11/08/13 17:55	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	99-87-6	
Methylene Chloride	ND	mg/kg	0.016	0.0081	1		11/08/13 17:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.020	0.0097	1		11/08/13 17:55	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	103-65-1	
Styrene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0040	0.00081	1		11/08/13 17:55	127-18-4	
Toluene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	79-00-5	
Trichloroethene	ND	mg/kg	0.0040	0.00081	1		11/08/13 17:55	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	108-67-8	
Vinyl acetate	ND	mg/kg	0.081	0.040	1		11/08/13 17:55	108-05-4	
Vinyl chloride	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-01-4	
Xylene (Total)	ND	mg/kg	0.0081	0.0040	1		11/08/13 17:55	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	103	%.	85-118		1		11/08/13 17:55	1868-53-7	
Toluene-d8 (S)	98	%.	71-128		1		11/08/13 17:55	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(8-10)102813 **Lab ID: 5089046003** Collected: 10/28/13 10:05 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	106	%.	56-144		1		11/08/13 17:55	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.8**	%	0.10	0.10	1		10/31/13 11:11		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(23-25)102814 **Lab ID: 5089046004** Collected: 10/28/13 11:10 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	ND	mg/kg	20.9	5.2	1	10/30/13 10:05	10/31/13 13:24		
TPH (C10-C20)	ND	mg/kg	10.5	5.2	1	10/30/13 10:05	10/31/13 13:24		
TPH (C20-C34)	ND	mg/kg	10.5	5.2	1	10/30/13 10:05	10/31/13 13:24		
Surrogates									
n-Pentacosane (S)	82	%.	30-153		1	10/30/13 10:05	10/31/13 13:24	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	105	52.7	1	10/30/13 11:39	11/01/13 16:29	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	105	52.7	1	10/30/13 11:39	11/01/13 16:29	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	105	52.7	1	10/30/13 11:39	11/01/13 16:29	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	105	52.7	1	10/30/13 11:39	11/01/13 16:29	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	105	52.7	1	10/30/13 11:39	11/01/13 16:29	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	105	52.7	1	10/30/13 11:39	11/01/13 16:29	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	105	52.7	1	10/30/13 11:39	11/01/13 16:29	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	76	%.	30-106		1	10/30/13 11:39	11/01/13 16:29	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.91	0.45	1		11/05/13 06:42		
Surrogates									
4-Bromofluorobenzene (S)	93	%.	38-163		1		11/05/13 06:42	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**4750**	mg/kg	50.5	25.2	1	10/30/13 10:53	10/31/13 09:13	7429-90-5	
Antimony	ND	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-36-0	
Arsenic	**10.3**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-38-2	
Barium	**14.8**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-39-3	
Beryllium	**0.28J**	mg/kg	0.50	0.25	1	10/30/13 10:53	10/31/13 09:13	7440-41-7	
Cadmium	ND	mg/kg	2.0	0.50	1	10/30/13 10:53	10/31/13 09:13	7440-43-9	
Chromium	**7.3**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-47-3	
Cobalt	**5.5**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-48-4	
Copper	**17.3**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-50-8	
Lead	**6.3**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7439-92-1	
Nickel	**17.3**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-02-0	
Selenium	ND	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7782-49-2	
Silver	ND	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-22-4	
Thallium	ND	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-28-0	
Vanadium	**11.7**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-62-2	
Zinc	**50.7**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.21	0.18	1	11/04/13 11:45	11/05/13 10:57	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(23-25)102814 **Lab ID: 5089046004** Collected: 10/28/13 11:10 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	83-32-9	
Acenaphthylene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	208-96-8	
Anthracene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	120-12-7	
Benzo(a)anthracene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	56-55-3	
Benzo(a)pyrene	ND	ug/kg	180	175	1	10/30/13 21:00	11/01/13 08:05	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	207-08-9	
Benzyl alcohol	ND	ug/kg	700	350	1	10/30/13 21:00	11/01/13 08:05	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	101-55-3	
Butylbenzylphthalate	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	700	350	1	10/30/13 21:00	11/01/13 08:05	59-50-7	
4-Chloroaniline	ND	ug/kg	700	350	1	10/30/13 21:00	11/01/13 08:05	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	108-60-1	
2-Chloronaphthalene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	91-58-7	
2-Chlorophenol	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	7005-72-3	
Chrysene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	180	175	1	10/30/13 21:00	11/01/13 08:05	53-70-3	
Dibenzofuran	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	120-83-2	
Diethylphthalate	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	105-67-9	
Dimethylphthalate	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	131-11-3	
Di-n-butylphthalate	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1700	848	1	10/30/13 21:00	11/01/13 08:05	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1700	1700	1	10/30/13 21:00	11/01/13 08:05	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	606-20-2	
Di-n-octylphthalate	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	117-81-7	
Fluoranthene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	206-44-0	
Fluorene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	350	350	1	10/30/13 21:00	11/01/13 08:05	77-47-4	
Hexachloroethane	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	193-39-5	
Isophorone	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	78-59-1	
2-Methylnaphthalene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	700	350	1	10/30/13 21:00	11/01/13 08:05		
Naphthalene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	91-20-3	
2-Nitroaniline	ND	ug/kg	1700	848	1	10/30/13 21:00	11/01/13 08:05	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(23-25)102814 **Lab ID: 5089046004** Collected: 10/28/13 11:10 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1700	848	1	10/30/13 21:00	11/01/13 08:05	99-09-2	
4-Nitroaniline	ND	ug/kg	1700	848	1	10/30/13 21:00	11/01/13 08:05	100-01-6	
Nitrobenzene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	98-95-3	
2-Nitrophenol	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	88-75-5	
4-Nitrophenol	ND	ug/kg	1700	848	1	10/30/13 21:00	11/01/13 08:05	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	86-30-6	
Phenanthrene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	85-01-8	
Phenol	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	108-95-2	
Pyrene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	53	%.	28-101		1	10/30/13 21:00	11/01/13 08:05	4165-60-0	
2-Fluorobiphenyl (S)	55	%.	31-94		1	10/30/13 21:00	11/01/13 08:05	321-60-8	
p-Terphenyl-d14 (S)	67	%.	26-110		1	10/30/13 21:00	11/01/13 08:05	1718-51-0	
Phenol-d5 (S)	54	%.	28-101		1	10/30/13 21:00	11/01/13 08:05	4165-62-2	
2-Fluorophenol (S)	62	%.	24-104		1	10/30/13 21:00	11/01/13 08:05	367-12-4	
2,4,6-Tribromophenol (S)	64	%.	16-122		1	10/30/13 21:00	11/01/13 08:05	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.090	0.045	1		11/08/13 18:33	67-64-1	
Acrolein	ND	mg/kg	0.090	0.045	1		11/08/13 18:33	107-02-8	
Benzene	ND	mg/kg	0.0045	0.00090	1		11/08/13 18:33	71-43-2	
Bromobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	108-86-1	
Bromochloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-27-4	
Bromoform	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-25-2	
Bromomethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.022	0.011	1		11/08/13 18:33	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	98-06-6	
Carbon disulfide	ND	mg/kg	0.0090	0.0022	1		11/08/13 18:33	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	108-90-7	
Chloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-00-3	
Chloroform	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	67-66-3	
Chloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	124-48-1	
Dibromomethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(23-25)102814 **Lab ID: 5089046004** Collected: 10/28/13 11:10 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.090	0.045	1		11/08/13 18:33	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.090	0.045	1		11/08/13 18:33	97-63-2	
n-Hexane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	110-54-3	N2
2-Hexanone	ND	mg/kg	0.090	0.045	1		11/08/13 18:33	591-78-6	
Iodomethane	ND	mg/kg	0.090	0.045	1		11/08/13 18:33	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0090	1		11/08/13 18:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.022	0.011	1		11/08/13 18:33	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	103-65-1	
Styrene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0045	0.00090	1		11/08/13 18:33	127-18-4	
Toluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	79-00-5	
Trichloroethene	ND	mg/kg	0.0045	0.00090	1		11/08/13 18:33	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	108-67-8	
Vinyl acetate	ND	mg/kg	0.090	0.045	1		11/08/13 18:33	108-05-4	
Vinyl chloride	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-01-4	
Xylene (Total)	ND	mg/kg	0.0090	0.0045	1		11/08/13 18:33	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%.	85-118		1		11/08/13 18:33	1868-53-7	
Toluene-d8 (S)	100	%.	71-128		1		11/08/13 18:33	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(23-25)102814 **Lab ID: 5089046004** Collected: 10/28/13 11:10 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	102	%.	56-144		1		11/08/13 18:33	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.7**	%	0.10	0.10	1		10/31/13 11:11		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-IDW01-102813 **Lab ID: 5089046005** Collected: 10/28/13 14:25 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 11/01/13 12:35								
Arsenic	**0.0054J**	mg/L	0.010	0.0050	1	11/05/13 14:10	11/06/13 13:18	7440-38-2	
Barium	**0.67**	mg/L	0.50	0.010	1	11/05/13 14:10	11/06/13 13:18	7440-39-3	
Cadmium	**0.0039J**	mg/L	0.0050	0.0025	1	11/05/13 14:10	11/06/13 13:18	7440-43-9	
Chromium	ND	mg/L	0.010	0.0050	1	11/05/13 14:10	11/06/13 13:18	7440-47-3	
Lead	**0.091**	mg/L	0.010	0.0040	1	11/05/13 14:10	11/06/13 13:18	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	11/05/13 14:10	11/06/13 13:18	7782-49-2	
Silver	ND	mg/L	0.050	0.025	1	11/05/13 14:10	11/06/13 13:18	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Leachate Method/Date: EPA 1311; 11/01/13 12:35								
Mercury	ND	mg/L	0.00067	0.00033	1	11/05/13 10:15	11/06/13 14:52	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 11/01/13 12:37								
1,4-Dichlorobenzene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	87-68-3	
Hexachlorobenzene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	118-74-1	
Hexachloroethane	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	200	100	1	11/05/13 13:36	11/05/13 19:40		
Nitrobenzene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	98-95-3	
Pentachlorophenol	ND	ug/L	500	250	1	11/05/13 13:36	11/05/13 19:40	87-86-5	
Pyridine	ND	ug/L UJ	100	100	1	11/05/13 13:36	11/05/13 19:40	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	500	50.0	1	11/05/13 13:36	11/05/13 19:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	72	%.	29-126		1	11/05/13 13:36	11/05/13 19:40	4165-60-0	
2-Fluorobiphenyl (S)	69	%.	31-118		1	11/05/13 13:36	11/05/13 19:40	321-60-8	
p-Terphenyl-d14 (S)	71	%.	28-129		1	11/05/13 13:36	11/05/13 19:40	1718-51-0	
Phenol-d5 (S)	20	%.	10-47		1	11/05/13 13:36	11/05/13 19:40	4165-62-2	
2-Fluorophenol (S)	40	%.	10-67		1	11/05/13 13:36	11/05/13 19:40	367-12-4	
2,4,6-Tribromophenol (S)	84	%.	31-161		1	11/05/13 13:36	11/05/13 19:40	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 10/30/13 12:45								
Benzene	ND	ug/L	50.0		1		11/11/13 13:25	71-43-2	
2-Butanone (MEK)	ND	ug/L	1000		1		11/11/13 13:25	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0		1		11/11/13 13:25	56-23-5	
Chlorobenzene	ND	ug/L	50.0		1		11/11/13 13:25	108-90-7	
Chloroform	ND	ug/L	50.0		1		11/11/13 13:25	67-66-3	
1,2-Dichloroethane	ND	ug/L	50.0		1		11/11/13 13:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0		1		11/11/13 13:25	75-35-4	
Tetrachloroethene	ND	ug/L	50.0		1		11/11/13 13:25	127-18-4	

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10-4-13

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-IDW01-102813 **Lab ID: 5089046005** Collected: 10/28/13 14:25 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 10/30/13 12:45								
Trichloroethene	ND	ug/L	50.0		1		11/11/13 13:25	79-01-6	
Vinyl chloride	ND	ug/L	20.0		1		11/11/13 13:25	75-01-4	
Surrogates									
Toluene-d8 (S)	95	%.	81-110		1		11/11/13 13:25	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	80-114		1		11/11/13 13:25	460-00-4	
Dibromofluoromethane (S)	99	%.	79-116		1		11/11/13 13:25	1868-53-7	
1010 Flashpoint,Closed Cup	Analytical Method: EPA 1010								
Flashpoint	**>180**	deg F		78.0	1		10/30/13 13:47		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: TRIP BLANK **Lab ID: 5089046006** Collected: 10/28/13 08:00 Received: 10/29/13 09:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	5.0	1		11/08/13 20:46	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/08/13 20:46	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/08/13 20:46	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/08/13 20:46	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/08/13 20:46	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/08/13 20:46	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/08/13 20:46	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/08/13 20:46	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/08/13 20:46	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/08/13 20:46	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/08/13 20:46	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/08/13 20:46	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/08/13 20:46	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/08/13 20:46	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/08/13 20:46	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/08/13 20:46	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/08/13 20:46	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: TRIP BLANK **Lab ID: 5089046006** Collected: 10/28/13 08:00 Received: 10/29/13 09:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/08/13 20:46	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	108-88-3	
Trichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/08/13 20:46	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/08/13 20:46	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/08/13 20:46	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/08/13 20:46	110-57-6	
Surrogates									
Dibromofluoromethane (S)	103	%.	79-116		1		11/08/13 20:46	1868-53-7	
4-Bromofluorobenzene (S)	106	%.	80-114		1		11/08/13 20:46	460-00-4	
Toluene-d8 (S)	100	%.	81-110		1		11/08/13 20:46	2037-26-5	

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Due to the viscosity of the extract, it was run at 10x. KES 11-6-13
2d	The surrogate recovery exceeds the upper limit due to significant contribution from the target analyte. CEM 11/01/13
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

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CLEVELAND, CUYAHOGA COUNTY, OHIO
DATA VALIDATION REPORT

Date: December 4, 2013
Laboratory: Pace Analytical Services, Inc. (Pace), Indianapolis, Indiana
Laboratory Project #: 5089109 and 5089111
Data Validation Performed By: Lisa Graczyk, Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START)
Weston Work Order #: 20405.012.008.2234.00

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for 6 soil samples plus two trip blanks collected for the Former Fulton Auto Wrecking Property (Fulton) Site that were analyzed for the following parameters and U.S. Environmental Protection Agency methods:

- Volatile Organic Compounds (VOC) by SW-846 Method 8260
- Toxicity Characteristic Leaching Procedure (TCLP) VOCs by SW-846 Methods 1311 and 8260
- Semivolatile Organic Carbons (SVOC) by SW-846 Method 8270
- TCLP SVOCs by SW-846 Methods 1311 and 8270
- Polychlorinated Biphenyls (PCB) by SW-846 Method 8082
- Total Petroleum Hydrocarbons (TPH) by SW-846 Method 8015
- Metals by SW-846 Methods 6010 and 7471
- TCLP Metals by SW-846 Methods 1311, 6010, and 7470
- Flashpoint by SW-846 Method 1010
- pH by SW-846 Method 9045

A level II data package was requested from Pace. The data validation was conducted in general accordance with the EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated June 2008 and "Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review" dated January 2010. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089109 and 5089111

VOCs BY SW-846 METHOD 8260 AND TCLP VOCS BY SW-846 METHODS 1311 AND 8260

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-MW02(0-2)-102913	5089109001	Soil	10/29/2013	11/8/2013
FAW-MW02(2-4)-102913	5089109002	Soil	10/29/2013	11/8/2013
FAW-TB03-102913	5089109003	Water	10/29/2013	11/7/2013
FAW-MW03(0-2)-102913	5089111001	Soil	10/29/2013	11/8/2013
FAW-MW03(2-4)-102913	5089111002	Soil	10/29/2013	11/8/2013
FAW-MW03(4-6)-102913	5089111003	Soil	10/29/2013	11/8/2013
FAW-TB04-102913	5089111006	Water	10/29/2013	11/7/2013
FAW-IDW02-102913	5089111007	Soil	10/29/2013	11/11/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection.

3. Blanks

Method blanks and trip blanks were analyzed with the VOC analyses. The blanks were free of target analytes above the reporting limits.

4. Surrogate Results

The surrogate recovery results were within the laboratory-established quality control (QC) limits.

5. Laboratory Control Sample (LCS) Results

The LCS recoveries were within laboratory QC limits.

6. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

A site-specific MS and MSD were analyzed. The percent recoveries and relative percent differences (RPD) were with QC limits.

7. Field Duplicate Results

There are no field duplicates associated with these work orders.

8. Overall Assessment

Pace flagged some VOC results with a "J" to indicate that they were detected below the reporting limits. These flags are accepted and this data should be considered estimated.

The VOC data are acceptable for use as qualified based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089109 and 5089111

SVOCs BY SW-846 METHOD 8270 AND TCLP SVOCs BY SW-846 METHODS 1311 AND 8270

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Latest Date Analyzed
FAW-MW02(0-2)-102913	5089109001	Soil	10/29/2013	10/30/2013	11/1/2013
FAW-MW02(2-4)-102913	5089109002	Soil	10/29/2013	10/30/2013	11/6/2013
FAW-MW03(0-2)-102913	5089111001	Soil	10/29/2013	10/30/2013	11/2/2013
FAW-MW03(2-4)-102913	5089111002	Soil	10/29/2013	10/30/2013	11/1/2013
FAW-MW03(4-6)-102913	5089111003	Soil	10/29/2013	10/30/2013	11/2/2013
FAW-IDW02-102913	5089111007	Soil	10/29/2013	11/5/2013	11/5/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the SVOC analyses. The method blanks were free of target compound contamination above the reporting limits.

4. Surrogate Results

The surrogate recoveries were within the laboratory-established QC limits.

5. LCS Results

The percent recoveries for the LCS results were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed. The percent recoveries and RPDs were with QC limits.

7. Field Duplicate Results

There are no field duplicates associated with these work orders.

8. Overall Assessment

Several SVOC results were flagged "J" by the laboratory to indicate that the result is below the reporting limit. These results should be considered estimated.

The SVOC data are acceptable for use as qualified based on the information received.

PCBs BY U.S. EPA SW-846 METHOD 8082

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
FAW-MW02(0-2)-102913	5089109001	Soil	10/29/2013	10/30/2013	11/1/2013
FAW-MW02(2-4)-102913	5089109002	Soil	10/29/2013	10/30/2013	11/1/2013
FAW-MW03(0-2)-102913	5089111001	Soil	10/29/2013	10/30/2013	11/1/2013
FAW-MW03(2-4)-102913	5089111002	Soil	10/29/2013	10/30/2013	11/1/2013
FAW-MW03(4-6)-102913	5089111003	Soil	10/29/2013	10/30/2013	11/1/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the PCB analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed. The percent recoveries and RPDs were with QC limits.

7. Field Duplicate Results

There are no field duplicates associated with these work orders.

8. Overall Assessment

The PCB data are acceptable for use based on the information received.

TPH BY SW-846 METHOD 8015

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
FAW-MW02(0-2)-102913	5089109001	Soil	10/29/2013	10/30/2013	10/31/2013 – 11/7/2013
FAW-MW02(2-4)-102913	5089109002	Soil	10/29/2013	10/30/2013	10/31/2013 – 11/7/2013
FAW-MW03(0-2)-102913	5089111001	Soil	10/29/2013	10/30/2013	10/31/2013 – 11/7/2013
FAW-MW03(2-4)-102913	5089111002	Soil	10/29/2013	10/30/2013	10/31/2013 – 11/7/2013
FAW-MW03(4-6)-102913	5089111003	Soil	10/29/2013	10/30/2013	10/31/2013 – 11/7/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis for TPH, TPH (C10-20) and TPH (C20-C34); and 14 days from sample collection to analysis for gasoline range organics (GRO).

3. Blanks

Method blanks were analyzed with the TPH analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits except for as follows.

In some instances, Pace did not evaluate the surrogate recoveries due to sample dilution. No qualifications are warranted in these instances.

The detected TPH results for TPH (C10-C20) and TPH (C20-C34) were flagged "J" as estimated in the following samples because the surrogate recoveries were high: FAW-MW02(0-2)-102913 and FAW-MW03(0-2)-102913.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed. The percent recoveries and RPDs were within QC limits.

7. Field Duplicate Results

There are no field duplicates associated with these work orders.

8. Overall Assessment

Some TPH results were flagged "J" by the laboratory to indicate that the result is below the reporting limit. These results should be considered estimated.

The TPH data are acceptable for use based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089109 and 5089111

TOTAL METALS BY SW-846 METHODS 6010 AND 7471 AND TCLP METALS BY SW-846 METHODS 1311, 6010, 7470

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-MW02(0-2)-102913	5089109001	Soil	10/29/2013	11/1/2013 – 11/5/2013
FAW-MW02(2-4)-102913	5089109002	Soil	10/29/2013	11/1/2013 – 11/5/2013
FAW-MW03(0-2)-102913	5089111001	Soil	10/29/2013	11/1/2013 – 11/5/2013
FAW-MW03(2-4)-102913	5089111002	Soil	10/29/2013	11/1/2013 – 11/5/2013
FAW-MW03(4-6)-102913	5089111003	Soil	10/29/2013	11/1/2013 – 11/5/2013
FAW-IDW02-102913	5089111007	Soil	10/29/2013	11/6/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 28 days from sample collection to analysis for mercury and 180 days from sample collection to analysis for all other metals.

3. Blank Results

Method blanks were analyzed with the metals analysis. The blanks were free of target analyte contamination above the reporting limits. TCLP barium was detected below the reporting limit in the method blank; however, TCLP barium was detected in the sample and a much higher concentration and no qualifications are required.

4. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

5. MS and MSD Results

A site-specific MS and MSD were analyzed using sample FAW-MW02(0-2)-102913 as the spiked sample. The percent recoveries and RPDs were within QC limits except for as follows.

The following metals were detected outside the QC limit for recovery in the MS and/or MSD: antimony, barium, lead, and zinc. In sample FAW-MW02(0-2)-102913, detected results were flagged “J” as estimated due to potential matrix interference.

6. Field Duplicate Results

There are no field duplicates associated with these work orders.

7. Overall Assessment

The laboratory flagged some metals results with a "J" to indicate that the result was detected below the reporting limit. These results should be considered estimated.

The metals data are acceptable for use as qualified based on the information received.

GENERAL CHEMISTRY PARAMETERS (Flashpoint by SW-846 Method 1010 and pH by SW-846 Method 9045)

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-MW02(2-4)-102913	5089109002	Soil	10/29/2013	10/31/2013
FAW-MW03(2-4)-102913	5089111002	Soil	10/29/2013	10/31/2013
FAW-IDW02-102913	5089111007	Soil	10/29/2013	10/31/2013

2. Holding Times

The sample holding times were acceptable.

3. Laboratory Duplicate Results

Laboratory duplicates were analyzed with the pH analyses. The RPDs were within the QC limits.

4. Overall Assessment

The general chemistry parameters are acceptable for use based on the information received.

ATTACHMENT

PACE ANALYTICAL SERVICES, INC.
RESULTS SUMMARY WITH QUALIFIERS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(0-2)-102913 **Lab ID: 5089109001** Collected: 10/29/13 08:25 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**55.4**	mg/kg J	20.6	5.2	1	10/30/13 21:00	10/31/13 18:17		
TPH (C10-C20)	**9.5J**	mg/kg J	10.3	5.2	1	10/30/13 21:00	10/31/13 18:17		
TPH (C20-C34)	**45.9**	mg/kg J	10.3	5.2	1	10/30/13 21:00	10/31/13 18:17		
Surrogates									
n-Pentacosane (S)	155	%.	30-153		1	10/30/13 21:00	10/31/13 18:17	629-99-2	3d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	103	17.5	1	10/30/13 21:00	11/01/13 12:57	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	103	17.5	1	10/30/13 21:00	11/01/13 12:57	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	103	17.5	1	10/30/13 21:00	11/01/13 12:57	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	103	17.5	1	10/30/13 21:00	11/01/13 12:57	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	103	17.5	1	10/30/13 21:00	11/01/13 12:57	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	103	17.5	1	10/30/13 21:00	11/01/13 12:57	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	103	17.5	1	10/30/13 21:00	11/01/13 12:57	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	62	%.	30-106		1	10/30/13 21:00	11/01/13 12:57	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.88	0.44	1		11/07/13 13:35		
Surrogates									
4-Bromofluorobenzene (S)	99	%.	38-163		1		11/07/13 13:35	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**5570**	mg/kg	47.6	23.8	1	10/31/13 11:07	11/01/13 08:01	7429-90-5	
Antimony	**4.6**	mg/kg J	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-36-0	
Arsenic	**12.6**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-38-2	
Barium	**85.9**	mg/kg J	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-39-3	
Beryllium	**0.37J**	mg/kg	0.48	0.24	1	10/31/13 11:07	11/01/13 08:01	7440-41-7	
Cadmium	ND	mg/kg	1.9	0.48	1	10/31/13 11:07	11/01/13 08:01	7440-43-9	
Chromium	**8.2**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-47-3	
Cobalt	**4.8**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-48-4	
Copper	**29.8**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-50-8	
Lead	**159**	mg/kg J	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7439-92-1	
Nickel	**14.0**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-02-0	
Selenium	ND	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7782-49-2	
Silver	ND	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-22-4	
Thallium	ND	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-28-0	
Vanadium	**13.4**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-62-2	
Zinc	**93.9**	mg/kg J	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.21J**	mg/kg	0.22	0.18	1	11/04/13 11:45	11/05/13 11:19	7439-97-6	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(0-2)-102913 **Lab ID: 5089109001** Collected: 10/29/13 08:25 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	83-32-9	
Acenaphthylene	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	208-96-8	
Anthracene	**480**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	120-12-7	
Benzo(a)anthracene	**661**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	56-55-3	
Benzo(a)pyrene	**558**	ug/kg	174	169	1	10/30/13 21:00	11/01/13 22:34	50-32-8	
Benzo(b)fluoranthene	**685**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	205-99-2	
Benzo(g,h,i)perylene	**300J**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	191-24-2	
Benzo(k)fluoranthene	**290J**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	207-08-9	
Benzyl alcohol	ND	ug/kg	676	338	1	10/30/13 21:00	11/01/13 22:34	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	101-55-3	
Butylbenzylphthalate	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	676	338	1	10/30/13 21:00	11/01/13 22:34	59-50-7	
4-Chloroaniline	ND	ug/kg	676	338	1	10/30/13 21:00	11/01/13 22:34	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	108-60-1	
2-Chloronaphthalene	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	91-58-7	
2-Chlorophenol	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	7005-72-3	
Chrysene	**703**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	174	169	1	10/30/13 21:00	11/01/13 22:34	53-70-3	
Dibenzofuran	**188J**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	120-83-2	
Diethylphthalate	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	105-67-9	
Dimethylphthalate	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	131-11-3	
Di-n-butylphthalate	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1640	820	1	10/30/13 21:00	11/01/13 22:34	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1640	1640	1	10/30/13 21:00	11/01/13 22:34	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	606-20-2	
Di-n-octylphthalate	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	117-81-7	
Fluoranthene	**1710**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	206-44-0	
Fluorene	**206J**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	338	338	1	10/30/13 21:00	11/01/13 22:34	77-47-4	
Hexachloroethane	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	67-72-1	
Indeno(1,2,3-cd)pyrene	**337J**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	193-39-5	
Isophorone	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	78-59-1	
2-Methylnaphthalene	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	676	338	1	10/30/13 21:00	11/01/13 22:34		
Naphthalene	**174J**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	91-20-3	
2-Nitroaniline	ND	ug/kg	1640	820	1	10/30/13 21:00	11/01/13 22:34	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(0-2)-102913 **Lab ID: 5089109001** Collected: 10/29/13 08:25 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1640	820	1	10/30/13 21:00	11/01/13 22:34	99-09-2	
4-Nitroaniline	ND	ug/kg	1640	820	1	10/30/13 21:00	11/01/13 22:34	100-01-6	
Nitrobenzene	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	98-95-3	
2-Nitrophenol	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	88-75-5	
4-Nitrophenol	ND	ug/kg	1640	820	1	10/30/13 21:00	11/01/13 22:34	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	86-30-6	
Phenanthrene	**1710**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	85-01-8	
Phenol	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	108-95-2	
Pyrene	**1330**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	61	%.	28-101		1	10/30/13 21:00	11/01/13 22:34	4165-60-0	
2-Fluorobiphenyl (S)	67	%.	31-94		1	10/30/13 21:00	11/01/13 22:34	321-60-8	
p-Terphenyl-d14 (S)	90	%.	26-110		1	10/30/13 21:00	11/01/13 22:34	1718-51-0	
Phenol-d5 (S)	69	%.	28-101		1	10/30/13 21:00	11/01/13 22:34	4165-62-2	
2-Fluorophenol (S)	63	%.	24-104		1	10/30/13 21:00	11/01/13 22:34	367-12-4	
2,4,6-Tribromophenol (S)	71	%.	16-122		1	10/30/13 21:00	11/01/13 22:34	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.079	0.040	1		11/08/13 04:03	67-64-1	
Acrolein	ND	mg/kg	0.079	0.040	1		11/08/13 04:03	107-02-8	
Benzene	ND	mg/kg	0.0040	0.00079	1		11/08/13 04:03	71-43-2	
Bromobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	108-86-1	
Bromochloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-27-4	
Bromoform	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-25-2	
Bromomethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.020	0.0095	1		11/08/13 04:03	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	98-06-6	
Carbon disulfide	ND	mg/kg	0.0079	0.0020	1		11/08/13 04:03	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	56-23-5	
Chlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	108-90-7	
Chloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-00-3	
Chloroform	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	67-66-3	
Chloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	124-48-1	
Dibromomethane	ND	mg/kg	0.0040	0.0025	1		11/08/13 04:03	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(0-2)-102913 **Lab ID: 5089109001** Collected: 10/29/13 08:25 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.079	0.040	1		11/08/13 04:03	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.079	0.040	1		11/08/13 04:03	97-63-2	
n-Hexane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	110-54-3	N2
2-Hexanone	ND	mg/kg	0.079	0.040	1		11/08/13 04:03	591-78-6	
Iodomethane	ND	mg/kg	0.079	0.040	1		11/08/13 04:03	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	99-87-6	
Methylene Chloride	ND	mg/kg	0.016	0.0079	1		11/08/13 04:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.020	0.0095	1		11/08/13 04:03	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0040	0.0011	1		11/08/13 04:03	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	103-65-1	
Styrene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0040	0.0015	1		11/08/13 04:03	127-18-4	
Toluene	**0.0037J**	mg/kg	0.0040	0.0020	1		11/08/13 04:03	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	79-00-5	
Trichloroethene	ND	mg/kg	0.0040	0.0013	1		11/08/13 04:03	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	108-67-8	
Vinyl acetate	ND	mg/kg	0.079	0.040	1		11/08/13 04:03	108-05-4	
Vinyl chloride	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-01-4	
Xylene (Total)	ND	mg/kg	0.0079	0.0040	1		11/08/13 04:03	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	97	%.	85-118		1		11/08/13 04:03	1868-53-7	
Toluene-d8 (S)	109	%.	71-128		1		11/08/13 04:03	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(0-2)-102913 **Lab ID: 5089109001** Collected: 10/29/13 08:25 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	91	%.	56-144		1		11/08/13 04:03	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.4**	%	0.10	0.10	1		10/31/13 11:38		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(2-4)-102913 **Lab ID: 5089109002** Collected: 10/29/13 08:30 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**2560**	mg/kg	231	57.8	10	10/30/13 21:00	10/31/13 16:24		
TPH (C10-C20)	**449**	mg/kg	116	57.8	10	10/30/13 21:00	10/31/13 16:24		
TPH (C20-C34)	**2110**	mg/kg	116	57.8	10	10/30/13 21:00	10/31/13 16:24		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	10/30/13 21:00	10/31/13 16:24	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	573	286	5	10/30/13 21:00	11/01/13 13:14	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	573	286	5	10/30/13 21:00	11/01/13 13:14	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	573	286	5	10/30/13 21:00	11/01/13 13:14	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	573	286	5	10/30/13 21:00	11/01/13 13:14	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	573	286	5	10/30/13 21:00	11/01/13 13:14	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	573	286	5	10/30/13 21:00	11/01/13 13:14	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	573	286	5	10/30/13 21:00	11/01/13 13:14	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	48	%.	30-106		5	10/30/13 21:00	11/01/13 13:14	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	**398**	mg/kg	28.2	14.1	25		11/07/13 13:10		
Surrogates									
4-Bromofluorobenzene (S)	95	%.	38-163		25		11/07/13 13:10	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**10200**	mg/kg	53.8	26.9	1	10/31/13 11:07	11/01/13 08:11	7429-90-5	
Antimony	**3.1**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-36-0	
Arsenic	**13.6**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-38-2	
Barium	**598**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-39-3	
Beryllium	**0.53**	mg/kg	0.54	0.27	1	10/31/13 11:07	11/01/13 08:11	7440-41-7	
Cadmium	**12.9**	mg/kg	2.2	0.54	1	10/31/13 11:07	11/01/13 08:11	7440-43-9	
Chromium	**43.7**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-47-3	
Cobalt	**5.8**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-48-4	
Copper	**254**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-50-8	
Lead	**914**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7439-92-1	
Nickel	**74.4**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-28-0	
Vanadium	**14.4**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-62-2	
Zinc	**2130**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.32**	mg/kg	0.23	0.20	1	11/04/13 11:45	11/05/13 11:32	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(2-4)-102913 **Lab ID: 5089109002** Collected: 10/29/13 08:30 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	83-32-9	
Acenaphthylene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	208-96-8	
Anthracene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	120-12-7	
Benzo(a)anthracene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	56-55-3	
Benzo(a)pyrene	ND	ug/kg	983	954	5	10/30/13 21:00	11/06/13 18:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	207-08-9	
Benzyl alcohol	ND	ug/kg	3820	1910	5	10/30/13 21:00	11/06/13 18:50	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	101-55-3	
Butylbenzylphthalate	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	3820	1910	5	10/30/13 21:00	11/06/13 18:50	59-50-7	
4-Chloroaniline	ND	ug/kg	3820	1910	5	10/30/13 21:00	11/06/13 18:50	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	108-60-1	
2-Chloronaphthalene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	91-58-7	
2-Chlorophenol	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	7005-72-3	
Chrysene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	983	954	5	10/30/13 21:00	11/06/13 18:50	53-70-3	
Dibenzofuran	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	120-83-2	
Diethylphthalate	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	105-67-9	
Dimethylphthalate	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	131-11-3	
Di-n-butylphthalate	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	9250	4630	5	10/30/13 21:00	11/06/13 18:50	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	9250	9250	5	10/30/13 21:00	11/06/13 18:50	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	606-20-2	
Di-n-octylphthalate	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	117-84-0	
bis(2-Ethylhexyl)phthalate	**1030J**	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	117-81-7	
Fluoranthene	**1920**	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	206-44-0	
Fluorene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	1910	1910	5	10/30/13 21:00	11/06/13 18:50	77-47-4	
Hexachloroethane	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	193-39-5	
Isophorone	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	78-59-1	
2-Methylnaphthalene	**9430**	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	3820	1910	5	10/30/13 21:00	11/06/13 18:50		
Naphthalene	**7510**	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	91-20-3	
2-Nitroaniline	ND	ug/kg	9250	4630	5	10/30/13 21:00	11/06/13 18:50	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(2-4)-102913 **Lab ID: 5089109002** Collected: 10/29/13 08:30 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	9250	4630	5	10/30/13 21:00	11/06/13 18:50	99-09-2	
4-Nitroaniline	ND	ug/kg	9250	4630	5	10/30/13 21:00	11/06/13 18:50	100-01-6	
Nitrobenzene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	98-95-3	
2-Nitrophenol	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	88-75-5	
4-Nitrophenol	ND	ug/kg	9250	4630	5	10/30/13 21:00	11/06/13 18:50	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	86-30-6	
Phenanthrene	**1880J**	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	85-01-8	
Phenol	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	108-95-2	
Pyrene	**1580J**	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	27	%.	28-101		5	10/30/13 21:00	11/06/13 18:50	4165-60-0	S4
2-Fluorobiphenyl (S)	34	%.	31-94		5	10/30/13 21:00	11/06/13 18:50	321-60-8	
p-Terphenyl-d14 (S)	41	%.	26-110		5	10/30/13 21:00	11/06/13 18:50	1718-51-0	
Phenol-d5 (S)	37	%.	28-101		5	10/30/13 21:00	11/06/13 18:50	4165-62-2	
2-Fluorophenol (S)	37	%.	24-104		5	10/30/13 21:00	11/06/13 18:50	367-12-4	
2,4,6-Tribromophenol (S)	39	%.	16-122		5	10/30/13 21:00	11/06/13 18:50	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.11	0.054	1		11/08/13 15:35	67-64-1	
Acrolein	ND	mg/kg	0.11	0.054	1		11/08/13 15:35	107-02-8	
Benzene	**0.011**	mg/kg	0.0054	0.0011	1		11/08/13 15:35	71-43-2	
Bromobenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	108-86-1	
Bromochloromethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-27-4	
Bromoform	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-25-2	
Bromomethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.027	0.013	1		11/08/13 15:35	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	104-51-8	
sec-Butylbenzene	**0.075**	mg/kg	0.0054	0.0027	1		11/08/13 15:35	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	0.0027	1		11/08/13 15:35	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	56-23-5	
Chlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	108-90-7	
Chloroethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-00-3	
Chloroform	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	67-66-3	
Chloromethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	124-48-1	
Dibromomethane	ND	mg/kg	0.0054	0.0034	1		11/08/13 15:35	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(2-4)-102913 **Lab ID: 5089109002** Collected: 10/29/13 08:30 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	0.054	1		11/08/13 15:35	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	10061-02-6	
Ethylbenzene	**2.1**	mg/kg	0.28	0.14	50		11/08/13 16:08	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	0.054	1		11/08/13 15:35	97-63-2	
n-Hexane	**0.0055**	mg/kg	0.0054	0.0027	1		11/08/13 15:35	110-54-3	N2
2-Hexanone	ND	mg/kg	0.11	0.054	1		11/08/13 15:35	591-78-6	
Iodomethane	ND	mg/kg	0.11	0.054	1		11/08/13 15:35	74-88-4	
Isopropylbenzene (Cumene)	**0.079**	mg/kg	0.0054	0.0027	1		11/08/13 15:35	98-82-8	
p-Isopropyltoluene	**0.11**	mg/kg	0.0054	0.0027	1		11/08/13 15:35	99-87-6	
Methylene Chloride	ND	mg/kg	0.021	0.011	1		11/08/13 15:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.027	0.013	1		11/08/13 15:35	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0054	0.0015	1		11/08/13 15:35	1634-04-4	
n-Propylbenzene	**0.30**	mg/kg	0.0054	0.0027	1		11/08/13 15:35	103-65-1	
Styrene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	79-34-5	
Tetrachloroethene	**0.0064**	mg/kg	0.0054	0.0020	1		11/08/13 15:35	127-18-4	
Toluene	**0.030**	mg/kg	0.0054	0.0027	1		11/08/13 15:35	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	79-00-5	
Trichloroethene	ND	mg/kg	0.0054	0.0018	1		11/08/13 15:35	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-69-4	
1,2,4-Trimethylbenzene	**39.8**	mg/kg	2.9	1.5	500		11/11/13 13:56	95-63-6	
1,3,5-Trimethylbenzene	**16.8**	mg/kg	0.28	0.14	50		11/08/13 16:08	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	0.054	1		11/08/13 15:35	108-05-4	
Vinyl chloride	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-01-4	
Xylene (Total)	**31.5**	mg/kg	5.8	2.9	500		11/11/13 13:56	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	97	%.	85-118		1		11/08/13 15:35	1868-53-7	
Toluene-d8 (S)	122	%.	71-128		1		11/08/13 15:35	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(2-4)-102913 **Lab ID: 5089109002** Collected: 10/29/13 08:30 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	95	%.	56-144		1		11/08/13 15:35	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.8**	%	0.10	0.10	1		10/31/13 11:39		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.5**	Std. Units	0.10		1		10/31/13 14:17		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-TB03-102913 **Lab ID: 5089109005** Collected: 10/29/13 08:00 Received: 10/30/13 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/07/13 21:34	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/07/13 21:34	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/07/13 21:34	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/07/13 21:34	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/07/13 21:34	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/07/13 21:34	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/07/13 21:34	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-25-2	
Bromomethane	ND	ug/L	5.0	3.9	1		11/07/13 21:34	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/07/13 21:34	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/07/13 21:34	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/07/13 21:34	67-66-3	
Chloromethane	ND	ug/L	5.0	3.0	1		11/07/13 21:34	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.7	1		11/07/13 21:34	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/07/13 21:34	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	100-41-4	
Iodomethane	ND	ug/L	10.0	5.3	1		11/07/13 21:34	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/07/13 21:34	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/07/13 21:34	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-TB03-102913 **Lab ID: 5089109005** Collected: 10/29/13 08:00 Received: 10/30/13 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.4	1		11/07/13 21:34	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.1	1		11/07/13 21:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/07/13 21:34	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.2	1		11/07/13 21:34	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/07/13 21:34	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/07/13 21:34	110-57-6	
Surrogates									
Dibromofluoromethane (S)	107	%.	79-116		1		11/07/13 21:34	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114		1		11/07/13 21:34	460-00-4	
Toluene-d8 (S)	96	%.	81-110		1		11/07/13 21:34	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(0-2)-102913 **Lab ID: 5089111001** Collected: 10/29/13 12:35 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**185**	mg/kg J	23.9	6.0	1	10/30/13 21:00	10/31/13 18:37		
TPH (C10-C20)	**25.5**	mg/kg J	12.0	6.0	1	10/30/13 21:00	10/31/13 18:37		
TPH (C20-C34)	**159**	mg/kg J	12.0	6.0	1	10/30/13 21:00	10/31/13 18:37		
Surrogates									
n-Pentacosane (S)	235	%.	30-153		1	10/30/13 21:00	10/31/13 18:37	629-99-2	5d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	598	299	5	10/30/13 21:00	11/01/13 13:20	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	598	299	5	10/30/13 21:00	11/01/13 13:20	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	598	299	5	10/30/13 21:00	11/01/13 13:20	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	598	299	5	10/30/13 21:00	11/01/13 13:20	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	598	299	5	10/30/13 21:00	11/01/13 13:20	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	598	299	5	10/30/13 21:00	11/01/13 13:20	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	598	299	5	10/30/13 21:00	11/01/13 13:20	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	57	%.	30-106		5	10/30/13 21:00	11/01/13 13:20	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.94	0.47	1		11/07/13 14:49		
Surrogates									
4-Bromofluorobenzene (S)	108	%.	38-163		1		11/07/13 14:49	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**12900**	mg/kg	59.7	29.8	1	10/31/13 11:07	11/01/13 08:14	7429-90-5	
Antimony	ND	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-36-0	
Arsenic	**20.1**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-38-2	
Barium	**103**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-39-3	
Beryllium	**0.93**	mg/kg	0.60	0.30	1	10/31/13 11:07	11/01/13 08:14	7440-41-7	
Cadmium	ND	mg/kg	2.4	0.60	1	10/31/13 11:07	11/01/13 08:14	7440-43-9	
Chromium	**20.8**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-47-3	
Cobalt	**17.6**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-48-4	
Copper	**49.2**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-50-8	
Lead	**468**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7439-92-1	
Nickel	**27.9**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-02-0	
Selenium	ND	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7782-49-2	
Silver	ND	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-22-4	
Thallium	ND	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-28-0	
Vanadium	**23.1**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-62-2	
Zinc	**176**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.29**	mg/kg	0.24	0.21	1	11/04/13 11:45	11/05/13 11:34	7439-97-6	

12-4-13

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(0-2)-102913 **Lab ID: 5089111001** Collected: 10/29/13 12:35 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	83-32-9	
Acenaphthylene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	208-96-8	
Anthracene	**2270J**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	120-12-7	
Benzo(a)anthracene	**4620**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	56-55-3	
Benzo(a)pyrene	**4220**	ug/kg	2060	1990	10	10/30/13 21:00	11/02/13 05:06	50-32-8	
Benzo(b)fluoranthene	**5380**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	205-99-2	
Benzo(g,h,i)perylene	**2570J**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	191-24-2	
Benzo(k)fluoranthene	**2440J**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	207-08-9	
Benzyl alcohol	ND	ug/kg	7980	3990	10	10/30/13 21:00	11/02/13 05:06	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7980	3990	10	10/30/13 21:00	11/02/13 05:06	59-50-7	
4-Chloroaniline	ND	ug/kg	7980	3990	10	10/30/13 21:00	11/02/13 05:06	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	91-58-7	
2-Chlorophenol	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	7005-72-3	
Chrysene	**5150**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2060	1990	10	10/30/13 21:00	11/02/13 05:06	53-70-3	
Dibenzofuran	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	120-83-2	
Diethylphthalate	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	105-67-9	
Dimethylphthalate	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19300	9670	10	10/30/13 21:00	11/02/13 05:06	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19300	19300	10	10/30/13 21:00	11/02/13 05:06	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	117-81-7	
Fluoranthene	**13400**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	206-44-0	
Fluorene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3990	3990	10	10/30/13 21:00	11/02/13 05:06	77-47-4	
Hexachloroethane	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	67-72-1	
Indeno(1,2,3-cd)pyrene	**2850J**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	193-39-5	
Isophorone	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7980	3990	10	10/30/13 21:00	11/02/13 05:06		
Naphthalene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	91-20-3	
2-Nitroaniline	ND	ug/kg	19300	9670	10	10/30/13 21:00	11/02/13 05:06	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(0-2)-102913 **Lab ID: 5089111001** Collected: 10/29/13 12:35 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	19300	9670	10	10/30/13 21:00	11/02/13 05:06	99-09-2	
4-Nitroaniline	ND	ug/kg	19300	9670	10	10/30/13 21:00	11/02/13 05:06	100-01-6	
Nitrobenzene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	98-95-3	
2-Nitrophenol	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	88-75-5	
4-Nitrophenol	ND	ug/kg	19300	9670	10	10/30/13 21:00	11/02/13 05:06	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	86-30-6	
Phenanthrene	**11100**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	85-01-8	
Phenol	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	108-95-2	1d
Pyrene	**10700**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	55	%.	28-101		10	10/30/13 21:00	11/02/13 05:06	4165-60-0	
2-Fluorobiphenyl (S)	60	%.	31-94		10	10/30/13 21:00	11/02/13 05:06	321-60-8	
p-Terphenyl-d14 (S)	78	%.	26-110		10	10/30/13 21:00	11/02/13 05:06	1718-51-0	
Phenol-d5 (S)	56	%.	28-101		10	10/30/13 21:00	11/02/13 05:06	4165-62-2	
2-Fluorophenol (S)	58	%.	24-104		10	10/30/13 21:00	11/02/13 05:06	367-12-4	
2,4,6-Tribromophenol (S)	55	%.	16-122		10	10/30/13 21:00	11/02/13 05:06	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.091	0.046	1		11/08/13 16:41	67-64-1	
Acrolein	ND	mg/kg	0.091	0.046	1		11/08/13 16:41	107-02-8	
Benzene	ND	mg/kg	0.0046	0.00091	1		11/08/13 16:41	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-27-4	
Bromoform	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	0.011	1		11/08/13 16:41	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	98-06-6	
Carbon disulfide	ND	mg/kg	0.0091	0.0023	1		11/08/13 16:41	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	108-90-7	
Chloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	124-48-1	
Dibromomethane	ND	mg/kg	0.0046	0.0029	1		11/08/13 16:41	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(0-2)-102913 **Lab ID: 5089111001** Collected: 10/29/13 12:35 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.091	0.046	1		11/08/13 16:41	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.091	0.046	1		11/08/13 16:41	97-63-2	
n-Hexane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	110-54-3	N2
2-Hexanone	ND	mg/kg	0.091	0.046	1		11/08/13 16:41	591-78-6	
Iodomethane	ND	mg/kg	0.091	0.046	1		11/08/13 16:41	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0091	1		11/08/13 16:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	0.011	1		11/08/13 16:41	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0013	1		11/08/13 16:41	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	103-65-1	
Styrene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0017	1		11/08/13 16:41	127-18-4	
Toluene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.0016	1		11/08/13 16:41	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	108-67-8	
Vinyl acetate	ND	mg/kg	0.091	0.046	1		11/08/13 16:41	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-01-4	
Xylene (Total)	ND	mg/kg	0.0091	0.0046	1		11/08/13 16:41	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	86	%.	85-118		1		11/08/13 16:41	1868-53-7	2d
Toluene-d8 (S)	119	%.	71-128		1		11/08/13 16:41	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(0-2)-102913 **Lab ID: 5089111001** Collected: 10/29/13 12:35 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	82	%.	56-144		1		11/08/13 16:41	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.6**	%	0.10	0.10	1		10/31/13 12:02		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(2-4)-102913 **Lab ID: 5089111002** Collected: 10/29/13 12:40 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**253**	mg/kg	240	60.1	10	10/30/13 21:00	10/31/13 16:44		
TPH (C10-C20)	ND	mg/kg	120	60.1	10	10/30/13 21:00	10/31/13 16:44		
TPH (C20-C34)	**205**	mg/kg	120	60.1	10	10/30/13 21:00	10/31/13 16:44		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	10/30/13 21:00	10/31/13 16:44	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	599	299	5	10/30/13 21:00	11/01/13 13:26	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	599	299	5	10/30/13 21:00	11/01/13 13:26	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	599	299	5	10/30/13 21:00	11/01/13 13:26	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	599	299	5	10/30/13 21:00	11/01/13 13:26	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	599	299	5	10/30/13 21:00	11/01/13 13:26	12672-29-6	
PCB-1254 (Aroclor 1254)	**516J**	ug/kg	599	299	5	10/30/13 21:00	11/01/13 13:26	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	599	299	5	10/30/13 21:00	11/01/13 13:26	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	60	%.	30-106		5	10/30/13 21:00	11/01/13 13:26	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.84	0.42	1		11/07/13 15:14		
Surrogates									
4-Bromofluorobenzene (S)	118	%.	38-163		1		11/07/13 15:14	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**12500**	mg/kg	54.8	27.4	1	10/31/13 11:07	11/01/13 08:16	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-36-0	
Arsenic	**19.6**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-38-2	
Barium	**78.0**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-39-3	
Beryllium	**0.88**	mg/kg	0.55	0.27	1	10/31/13 11:07	11/01/13 08:16	7440-41-7	
Cadmium	ND	mg/kg	2.2	0.55	1	10/31/13 11:07	11/01/13 08:16	7440-43-9	
Chromium	**24.1**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-47-3	
Cobalt	**14.6**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-48-4	
Copper	**47.9**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-50-8	
Lead	**592**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7439-92-1	
Nickel	**30.8**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-28-0	
Vanadium	**24.0**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-62-2	
Zinc	**117**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.75**	mg/kg	0.24	0.20	1	11/04/13 11:45	11/05/13 11:36	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(2-4)-102913 **Lab ID: 5089111002** Collected: 10/29/13 12:40 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**1020**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	83-32-9	
Acenaphthylene	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	208-96-8	
Anthracene	**1980**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	120-12-7	
Benzo(a)anthracene	**2750**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	56-55-3	
Benzo(a)pyrene	**2440**	ug/kg	205	199	1	10/30/13 21:00	11/01/13 21:12	50-32-8	
Benzo(b)fluoranthene	**3040**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	205-99-2	
Benzo(g,h,i)perylene	**1430**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	191-24-2	
Benzo(k)fluoranthene	**1590**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	207-08-9	
Benzyl alcohol	ND	ug/kg	796	398	1	10/30/13 21:00	11/01/13 21:12	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	101-55-3	
Butylbenzylphthalate	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	796	398	1	10/30/13 21:00	11/01/13 21:12	59-50-7	
4-Chloroaniline	ND	ug/kg	796	398	1	10/30/13 21:00	11/01/13 21:12	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	108-60-1	
2-Chloronaphthalene	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	91-58-7	
2-Chlorophenol	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	7005-72-3	
Chrysene	**2900**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	218-01-9	
Dibenz(a,h)anthracene	**419**	ug/kg	205	199	1	10/30/13 21:00	11/01/13 21:12	53-70-3	
Dibenzofuran	**824**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	120-83-2	
Diethylphthalate	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	105-67-9	
Dimethylphthalate	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	131-11-3	
Di-n-butylphthalate	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1930	965	1	10/30/13 21:00	11/01/13 21:12	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1930	1930	1	10/30/13 21:00	11/01/13 21:12	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	606-20-2	
Di-n-octylphthalate	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	117-81-7	
Fluoranthene	**4280**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	206-44-0	
Fluorene	**1120**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	398	398	1	10/30/13 21:00	11/01/13 21:12	77-47-4	
Hexachloroethane	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	67-72-1	
Indeno(1,2,3-cd)pyrene	**1610**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	193-39-5	
Isophorone	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	78-59-1	
2-Methylnaphthalene	**433**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	796	398	1	10/30/13 21:00	11/01/13 21:12		
Naphthalene	**784**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	91-20-3	
2-Nitroaniline	ND	ug/kg	1930	965	1	10/30/13 21:00	11/01/13 21:12	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(2-4)-102913 **Lab ID: 5089111002** Collected: 10/29/13 12:40 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1930	965	1	10/30/13 21:00	11/01/13 21:12	99-09-2	
4-Nitroaniline	ND	ug/kg	1930	965	1	10/30/13 21:00	11/01/13 21:12	100-01-6	
Nitrobenzene	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	98-95-3	
2-Nitrophenol	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	88-75-5	
4-Nitrophenol	ND	ug/kg	1930	965	1	10/30/13 21:00	11/01/13 21:12	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	86-30-6	
Phenanthrene	**6170**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	85-01-8	
Phenol	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	108-95-2	
Pyrene	**5300**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	61	%.	28-101		1	10/30/13 21:00	11/01/13 21:12	4165-60-0	
2-Fluorobiphenyl (S)	66	%.	31-94		1	10/30/13 21:00	11/01/13 21:12	321-60-8	
p-Terphenyl-d14 (S)	83	%.	26-110		1	10/30/13 21:00	11/01/13 21:12	1718-51-0	
Phenol-d5 (S)	70	%.	28-101		1	10/30/13 21:00	11/01/13 21:12	4165-62-2	
2-Fluorophenol (S)	69	%.	24-104		1	10/30/13 21:00	11/01/13 21:12	367-12-4	
2,4,6-Tribromophenol (S)	70	%.	16-122		1	10/30/13 21:00	11/01/13 21:12	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.083	0.042	1		11/08/13 06:50	67-64-1	
Acrolein	ND	mg/kg	0.083	0.042	1		11/08/13 06:50	107-02-8	
Benzene	ND	mg/kg	0.0042	0.00083	1		11/08/13 06:50	71-43-2	
Bromobenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	108-86-1	
Bromochloromethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-27-4	
Bromoform	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-25-2	
Bromomethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.021	0.010	1		11/08/13 06:50	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	98-06-6	
Carbon disulfide	ND	mg/kg	0.0083	0.0021	1		11/08/13 06:50	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	56-23-5	
Chlorobenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	108-90-7	
Chloroethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-00-3	
Chloroform	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	67-66-3	
Chloromethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	124-48-1	
Dibromomethane	ND	mg/kg	0.0042	0.0027	1		11/08/13 06:50	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(2-4)-102913 **Lab ID: 5089111002** Collected: 10/29/13 12:40 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.083	0.042	1		11/08/13 06:50	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.083	0.042	1		11/08/13 06:50	97-63-2	
n-Hexane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	110-54-3	N2
2-Hexanone	ND	mg/kg	0.083	0.042	1		11/08/13 06:50	591-78-6	
Iodomethane	ND	mg/kg	0.083	0.042	1		11/08/13 06:50	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	99-87-6	
Methylene Chloride	ND	mg/kg	0.017	0.0083	1		11/08/13 06:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.021	0.010	1		11/08/13 06:50	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0042	0.0012	1		11/08/13 06:50	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	103-65-1	
Styrene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0042	0.0016	1		11/08/13 06:50	127-18-4	
Toluene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	79-00-5	
Trichloroethene	ND	mg/kg	0.0042	0.0014	1		11/08/13 06:50	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-69-4	
1,2,4-Trimethylbenzene	**0.0052**	mg/kg	0.0042	0.0021	1		11/08/13 06:50	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	108-67-8	
Vinyl acetate	ND	mg/kg	0.083	0.042	1		11/08/13 06:50	108-05-4	
Vinyl chloride	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-01-4	
Xylene (Total)	ND	mg/kg	0.0083	0.0042	1		11/08/13 06:50	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	92	%.	85-118		1		11/08/13 06:50	1868-53-7	
Toluene-d8 (S)	110	%.	71-128		1		11/08/13 06:50	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(2-4)-102913 **Lab ID: 5089111002** Collected: 10/29/13 12:40 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	94	%.	56-144		1		11/08/13 06:50	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.1**	%	0.10	0.10	1		10/31/13 12:02		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.5**	Std. Units	0.10		1		10/31/13 14:19		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(4-6)-102913 **Lab ID: 5089111003** Collected: 10/29/13 12:52 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**2370**	mg/kg	232	58.1	10	10/30/13 21:00	10/31/13 16:37		
TPH (C10-C20)	**565**	mg/kg	116	58.1	10	10/30/13 21:00	10/31/13 16:37		
TPH (C20-C34)	**1810**	mg/kg	116	58.1	10	10/30/13 21:00	10/31/13 16:37		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	10/30/13 21:00	10/31/13 16:37	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	579	290	5	10/30/13 21:00	11/01/13 13:32	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	579	290	5	10/30/13 21:00	11/01/13 13:32	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	579	290	5	10/30/13 21:00	11/01/13 13:32	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	579	290	5	10/30/13 21:00	11/01/13 13:32	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	579	290	5	10/30/13 21:00	11/01/13 13:32	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	579	290	5	10/30/13 21:00	11/01/13 13:32	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	579	290	5	10/30/13 21:00	11/01/13 13:32	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	50	%.	30-106		5	10/30/13 21:00	11/01/13 13:32	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.80	0.40	1		11/07/13 16:04		
Surrogates									
4-Bromofluorobenzene (S)	113	%.	38-163		1		11/07/13 16:04	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**10500**	mg/kg	48.5	24.3	1	10/31/13 11:07	11/01/13 08:22	7429-90-5	
Antimony	ND	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-36-0	
Arsenic	**13.9**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-38-2	
Barium	**82.8**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-39-3	
Beryllium	**0.71**	mg/kg	0.49	0.24	1	10/31/13 11:07	11/01/13 08:22	7440-41-7	
Cadmium	**0.52J**	mg/kg	1.9	0.49	1	10/31/13 11:07	11/01/13 08:22	7440-43-9	
Chromium	**17.6**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-47-3	
Cobalt	**11.8**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-48-4	
Copper	**43.9**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-50-8	
Lead	**238**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7439-92-1	
Nickel	**26.7**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-02-0	
Selenium	ND	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7782-49-2	
Silver	ND	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-22-4	
Thallium	ND	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-28-0	
Vanadium	**19.4**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-62-2	
Zinc	**133**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.54**	mg/kg	0.24	0.21	1	11/04/13 11:45	11/05/13 11:38	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(4-6)-102913 **Lab ID: 5089111003** Collected: 10/29/13 12:52 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**21300**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	83-32-9	
Acenaphthylene	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	208-96-8	
Anthracene	**40000**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	120-12-7	
Benzo(a)anthracene	**67600**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	56-55-3	
Benzo(a)pyrene	**58300**	ug/kg	1960	1900	10	10/30/13 21:00	11/02/13 04:45	50-32-8	
Benzo(b)fluoranthene	**74100**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	205-99-2	
Benzo(g,h,i)perylene	**37100**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	191-24-2	
Benzo(k)fluoranthene	**24800**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	207-08-9	
Benzyl alcohol	ND	ug/kg	7590	3800	10	10/30/13 21:00	11/02/13 04:45	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7590	3800	10	10/30/13 21:00	11/02/13 04:45	59-50-7	
4-Chloroaniline	ND	ug/kg	7590	3800	10	10/30/13 21:00	11/02/13 04:45	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	91-58-7	
2-Chlorophenol	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	7005-72-3	
Chrysene	**65400**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	218-01-9	
Dibenz(a,h)anthracene	**10700**	ug/kg	1960	1900	10	10/30/13 21:00	11/02/13 04:45	53-70-3	
Dibenzofuran	**13600**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	120-83-2	
Diethylphthalate	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	105-67-9	
Dimethylphthalate	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	18400	9210	10	10/30/13 21:00	11/02/13 04:45	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18400	18400	10	10/30/13 21:00	11/02/13 04:45	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	117-81-7	
Fluoranthene	**176000**	ug/kg	19000	9490	50	10/30/13 21:00	11/05/13 18:39	206-44-0	
Fluorene	**22300**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3800	3800	10	10/30/13 21:00	11/02/13 04:45	77-47-4	
Hexachloroethane	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	67-72-1	
Indeno(1,2,3-cd)pyrene	**41000**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	193-39-5	
Isophorone	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	78-59-1	
2-Methylnaphthalene	**3380J**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7590	3800	10	10/30/13 21:00	11/02/13 04:45		
Naphthalene	**6170**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	91-20-3	
2-Nitroaniline	ND	ug/kg	18400	9210	10	10/30/13 21:00	11/02/13 04:45	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(4-6)-102913 **Lab ID: 5089111003** Collected: 10/29/13 12:52 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	18400	9210	10	10/30/13 21:00	11/02/13 04:45	99-09-2	
4-Nitroaniline	ND	ug/kg	18400	9210	10	10/30/13 21:00	11/02/13 04:45	100-01-6	
Nitrobenzene	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	98-95-3	
2-Nitrophenol	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	88-75-5	
4-Nitrophenol	ND	ug/kg	18400	9210	10	10/30/13 21:00	11/02/13 04:45	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	86-30-6	
Phenanthrene	**158000**	ug/kg	19000	9490	50	10/30/13 21:00	11/05/13 18:39	85-01-8	
Phenol	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	108-95-2	1d
Pyrene	**137000**	ug/kg	19000	9490	50	10/30/13 21:00	11/05/13 18:39	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	35	%.	28-101		10	10/30/13 21:00	11/02/13 04:45	4165-60-0	
2-Fluorobiphenyl (S)	41	%.	31-94		10	10/30/13 21:00	11/02/13 04:45	321-60-8	
p-Terphenyl-d14 (S)	54	%.	26-110		10	10/30/13 21:00	11/02/13 04:45	1718-51-0	
Phenol-d5 (S)	35	%.	28-101		10	10/30/13 21:00	11/02/13 04:45	4165-62-2	
2-Fluorophenol (S)	37	%.	24-104		10	10/30/13 21:00	11/02/13 04:45	367-12-4	
2,4,6-Tribromophenol (S)	38	%.	16-122		10	10/30/13 21:00	11/02/13 04:45	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**0.085J**	mg/kg	0.092	0.046	1		11/08/13 07:23	67-64-1	
Acrolein	ND	mg/kg	0.092	0.046	1		11/08/13 07:23	107-02-8	
Benzene	**0.012**	mg/kg	0.0046	0.00092	1		11/08/13 07:23	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-27-4	
Bromoform	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	0.011	1		11/08/13 07:23	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	104-51-8	
sec-Butylbenzene	**0.0051**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	98-06-6	
Carbon disulfide	ND	mg/kg	0.0092	0.0023	1		11/08/13 07:23	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	108-90-7	
Chloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	124-48-1	
Dibromomethane	ND	mg/kg	0.0046	0.0029	1		11/08/13 07:23	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(4-6)-102913 **Lab ID: 5089111003** Collected: 10/29/13 12:52 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.092	0.046	1		11/08/13 07:23	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	10061-02-6	
Ethylbenzene	**0.060**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.092	0.046	1		11/08/13 07:23	97-63-2	
n-Hexane	**0.0070**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	110-54-3	N2
2-Hexanone	ND	mg/kg	0.092	0.046	1		11/08/13 07:23	591-78-6	
Iodomethane	ND	mg/kg	0.092	0.046	1		11/08/13 07:23	74-88-4	
Isopropylbenzene (Cumene)	**0.0086**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	98-82-8	
p-Isopropyltoluene	**0.0061**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0092	1		11/08/13 07:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	0.011	1		11/08/13 07:23	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0013	1		11/08/13 07:23	1634-04-4	
n-Propylbenzene	**0.035**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	103-65-1	
Styrene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0017	1		11/08/13 07:23	127-18-4	
Toluene	**0.10**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.0016	1		11/08/13 07:23	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-69-4	
1,2,4-Trimethylbenzene	**1.8**	mg/kg	0.15	0.073	25		11/08/13 15:51	95-63-6	
1,3,5-Trimethylbenzene	**0.14**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	108-67-8	
Vinyl acetate	ND	mg/kg	0.092	0.046	1		11/08/13 07:23	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-01-4	
Xylene (Total)	**0.46**	mg/kg	0.0092	0.0046	1		11/08/13 07:23	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	97	%.	85-118		1		11/08/13 07:23	1868-53-7	
Toluene-d8 (S)	115	%.	71-128		1		11/08/13 07:23	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(4-6)-102913 **Lab ID: 5089111003** Collected: 10/29/13 12:52 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	86	%.	56-144		1		11/08/13 07:23	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.0**	%	0.10	0.10	1		10/31/13 12:03		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-TB04-102913 **Lab ID: 5089111006** Collected: 10/29/13 08:00 Received: 10/30/13 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/07/13 21:01	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/07/13 21:01	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/07/13 21:01	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/07/13 21:01	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/07/13 21:01	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/07/13 21:01	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/07/13 21:01	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-25-2	
Bromomethane	ND	ug/L	5.0	3.9	1		11/07/13 21:01	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/07/13 21:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/07/13 21:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/07/13 21:01	67-66-3	
Chloromethane	ND	ug/L	5.0	3.0	1		11/07/13 21:01	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.7	1		11/07/13 21:01	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/07/13 21:01	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	100-41-4	
Iodomethane	ND	ug/L	10.0	5.3	1		11/07/13 21:01	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/07/13 21:01	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/07/13 21:01	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-TB04-102913 **Lab ID: 5089111006** Collected: 10/29/13 08:00 Received: 10/30/13 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.4	1		11/07/13 21:01	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.1	1		11/07/13 21:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/07/13 21:01	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.2	1		11/07/13 21:01	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/07/13 21:01	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/07/13 21:01	110-57-6	
Surrogates									
Dibromofluoromethane (S)	105	%.	79-116		1		11/07/13 21:01	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	80-114		1		11/07/13 21:01	460-00-4	
Toluene-d8 (S)	96	%.	81-110		1		11/07/13 21:01	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-IDW02-102913 **Lab ID: 5089111007** Collected: 10/29/13 14:00 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 11/01/13 12:35								
Arsenic	**0.013**	mg/L	0.010	0.0050	1	11/05/13 14:10	11/06/13 13:22	7440-38-2	
Barium	**0.56**	mg/L	0.50	0.010	1	11/05/13 14:10	11/06/13 13:22	7440-39-3	
Cadmium	**0.0031J**	mg/L	0.0050	0.0025	1	11/05/13 14:10	11/06/13 13:22	7440-43-9	
Chromium	**0.014**	mg/L	0.010	0.0050	1	11/05/13 14:10	11/06/13 13:22	7440-47-3	
Lead	**0.060**	mg/L	0.010	0.0040	1	11/05/13 14:10	11/06/13 13:22	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	11/05/13 14:10	11/06/13 13:22	7782-49-2	
Silver	ND	mg/L	0.050	0.025	1	11/05/13 14:10	11/06/13 13:22	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Leachate Method/Date: EPA 1311; 11/01/13 12:35								
Mercury	ND	mg/L	0.00067	0.00033	1	11/05/13 10:15	11/06/13 14:56	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 11/01/13 12:37								
1,4-Dichlorobenzene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	87-68-3	
Hexachlorobenzene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	118-74-1	
Hexachloroethane	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	200	100	1	11/05/13 13:36	11/05/13 20:20		
Nitrobenzene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	98-95-3	
Pentachlorophenol	ND	ug/L	500	250	1	11/05/13 13:36	11/05/13 20:20	87-86-5	
Pyridine	ND	ug/L	100	100	1	11/05/13 13:36	11/05/13 20:20	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	500	50.0	1	11/05/13 13:36	11/05/13 20:20	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	80	%.	29-126		1	11/05/13 13:36	11/05/13 20:20	4165-60-0	
2-Fluorobiphenyl (S)	78	%.	31-118		1	11/05/13 13:36	11/05/13 20:20	321-60-8	
p-Terphenyl-d14 (S)	94	%.	28-129		1	11/05/13 13:36	11/05/13 20:20	1718-51-0	
Phenol-d5 (S)	21	%.	10-47		1	11/05/13 13:36	11/05/13 20:20	4165-62-2	
2-Fluorophenol (S)	41	%.	10-67		1	11/05/13 13:36	11/05/13 20:20	367-12-4	
2,4,6-Tribromophenol (S)	96	%.	31-161		1	11/05/13 13:36	11/05/13 20:20	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 11/05/13 12:00								
Benzene	ND	ug/L	50.0		1		11/11/13 17:12	71-43-2	
2-Butanone (MEK)	ND	ug/L	1000		1		11/11/13 17:12	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0		1		11/11/13 17:12	56-23-5	
Chlorobenzene	ND	ug/L	50.0		1		11/11/13 17:12	108-90-7	
Chloroform	ND	ug/L	50.0		1		11/11/13 17:12	67-66-3	
1,2-Dichloroethane	ND	ug/L	50.0		1		11/11/13 17:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0		1		11/11/13 17:12	75-35-4	
Tetrachloroethene	ND	ug/L	50.0		1		11/11/13 17:12	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-IDW02-102913 **Lab ID: 5089111007** Collected: 10/29/13 14:00 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 11/05/13 12:00								
Trichloroethene	ND	ug/L	50.0		1		11/11/13 17:12	79-01-6	
Vinyl chloride	ND	ug/L	20.0		1		11/11/13 17:12	75-01-4	
Surrogates									
Toluene-d8 (S)	93	%.	81-110		1		11/11/13 17:12	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	80-114		1		11/11/13 17:12	460-00-4	
Dibromofluoromethane (S)	100	%.	79-116		1		11/11/13 17:12	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.4**	%	0.10	0.10	1		10/31/13 12:03		
1010 Flashpoint,Closed Cup	Analytical Method: EPA 1010								
Flashpoint	**>180**	deg F		78.0	1		10/31/13 14:14		

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Due to the viscosity of the extract, it was run at 10x. KES 11-5-13
2d	Internal Standard recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis). BJG 11-12-13
3d	RPD is outside control limits due to sample non-homogeneity. FRW 11-1-13
4d	Several compounds are outside of acceptance limits for RPD value. Refer to the LCS for system control. grm 11-8-13
5d	The surrogate recovery exceeds the upper limit due to significant contribution from the target analyte. CEM 11/01/13
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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FORMER FULTON AUTO WRECKING PROPERTY
CLEVELAND, CUYAHOGA COUNTY, OHIO
DATA VALIDATION REPORT

Date: December 4, 2013
Laboratory: Pace Analytical Services, Inc. (Pace), Indianapolis, Indiana
Laboratory Project #: 5089175 and 5089181
Data Validation Performed By: Lisa Graczyk, Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START)
Weston Work Order #: 20405.012.008.2234.00

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for 9 soil samples plus two trip blanks collected for the Former Fulton Auto Wrecking Property (Fulton) Site that were analyzed for the following parameters and U.S. Environmental Protection Agency methods:

- Volatile Organic Compounds (VOC) by SW-846 Method 8260
- Semivolatile Organic Carbons (SVOC) by SW-846 Method 8270
- Polychlorinated Biphenyls (PCB) by SW-846 Method 8082
- Total Petroleum Hydrocarbons (TPH) by SW-846 Method 8015
- Metals by SW-846 Methods 6010 and 7471
- pH by SW-846 Method 9045

A level II data package was requested from Pace. The data validation was conducted in general accordance with the EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated June 2008 and "Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review" dated January 2010. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089175 and 5089181

VOCs BY SW-846 METHOD 8260

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-SB06(0-2)-103013	5089175001	Soil	10/30/2013	11/11/2013
FAW-SB06(2-4)-103013	5089175002	Soil	10/30/2013	11/13/2013
FAW-MW02(6-8)-103013	5089175004	Soil	10/30/2013	11/13/2013
FAW-TB05-103013	5089175005	Water	10/30/2013	11/8/2013
FAW-SB02(0-2)-103013	5089181001	Soil	10/30/2013	11/11/2013
FAW-SB02(0-2)-103013D	5089181002	Soil	10/30/2013	11/12/2013
FAW-SB02(2-4)-103013	5089181003	Soil	10/30/2013	11/11/2013
FAW-SB02(27-29)-103013	5089181004	Soil	10/30/2013	11/11/2013
FAW-SB02(8-10)-103013	5089181005	Soil	10/30/2013	11/12/2013
FAW-TB06-103013	5089181006	Water	10/30/2013	11/8/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection.

3. Blanks

Method blanks and trip blanks were analyzed with the VOC analyses. The blanks were free of target analytes above the reporting limits.

4. Surrogate Results

The surrogate recovery results were within the laboratory-established quality control (QC) limits.

5. Laboratory Control Sample (LCS) Results

The LCS recoveries were within laboratory QC limits.

6. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

A site-specific MS and MSD were analyzed using sample FAW-SB02(2-4)-103013 as the spiked sample. The percent recoveries and relative percent differences (RPD) were with QC limits except for as follows.

The following VOCs were detected high in the MS and/or MSD: 2-Butanone (MEK) and Acetone. Because these compounds were not detected in the samples no qualifications are required.

7. Field Duplicate Results

There is one field duplicate identified with a "D" suffix in the sample name. Both the field duplicate and parent sample contained no detections of VOCs indicating good correlation between the samples.

8. Overall Assessment

Pace flagged some VOC results with a "J" to indicate that they were detected below the reporting limits. These flags are accepted and this data should be considered estimated.

The VOC data are acceptable for use as qualified based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089175 and 5089181

SVOCs BY SW-846 METHOD 8270

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Latest Date Analyzed
FAW-SB06(0-2)-103013	5089175001	Soil	10/30/2013	11/1/2013	11/4/2013
FAW-SB06(2-4)-103013	5089175002	Soil	10/30/2013	11/1/2013	11/4/2013
FAW-SB06(8-10)-103013	5089175002	Soil	10/30/2013	11/1/2013	11/4/2013
FAW-MW02(6-8)-103013	5089175004	Soil	10/30/2013	11/1/2013	11/5/2013
FAW-SB02(0-2)-103013	5089181001	Soil	10/30/2013	11/1/2013	11/5/2013
FAW-SB02(0-2)-103013D	5089181002	Soil	10/30/2013	11/1/2013	11/5/2013
FAW-SB02(2-4)-103013	5089181003	Soil	10/30/2013	11/1/2013	11/5/2013
FAW-SB02(27-29)-103013	5089181004	Soil	10/30/2013	11/1/2013	11/5/2013
FAW-SB02(8-10)-103013	5089181005	Soil	10/30/2013	11/1/2013	11/5/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the SVOC analyses. The method blanks were free of target compound contamination above the reporting limits.

4. Surrogate Results

The surrogate recoveries were within the laboratory-established QC limits.

5. LCS Results

The percent recoveries for the LCS results were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed. The percent recoveries and RPDs were with QC limits.

7. Field Duplicate Results

There is one field duplicate identified with a "D" suffix in the sample name. There was definite sample heterogeneity evident between the field duplicate and investigative sample. Several compounds were detected in the field duplicate that were not detected in the parent sample. For the compounds detected in both samples, RPDs were mostly acceptable; however there were extreme differences in the concentrations for fluoranthene and phenanthrene.

8. Overall Assessment

Several SVOC results were flagged "J" by the laboratory to indicate that the result is below the reporting limit. These results should be considered estimated.

The SVOC data are acceptable for use as qualified based on the information received.

PCBs BY U.S. EPA SW-846 METHOD 8082

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
FAW-SB06(0-2)-103013	5089175001	Soil	10/30/2013	11/1/2013	11/6/2013
FAW-SB06(2-4)-103013	5089175002	Soil	10/30/2013	11/1/2013	11/6/2013
FAW-SB06(8-10)-103013	5089175002	Soil	10/30/2013	11/1/2013	11/6/2013
FAW-MW02(6-8)-103013	5089175004	Soil	10/30/2013	11/1/2013	11/5/2013
FAW-SB02(0-2)-103013	5089181001	Soil	10/30/2013	11/1/2013	11/7/2013
FAW-SB02(0-2)-103013D	5089181002	Soil	10/30/2013	11/1/2013	11/7/2013
FAW-SB02(2-4)-103013	5089181003	Soil	10/30/2013	11/1/2013	11/5/2013
FAW-SB02(27-29)-103013	5089181004	Soil	10/30/2013	11/1/2013	11/5/2013
FAW-SB02(8-10)-103013	5089181005	Soil	10/30/2013	11/1/2013	11/6/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the PCB analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits except for as follows.

In some instances, Pace did not evaluate the surrogate recoveries due to sample dilution. No qualifications are warranted in these instances.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed. The percent recoveries and RPDs were with QC limits.

7. Field Duplicate Results

There is one field duplicate associated with this work order which is identified with a “D” in the suffix of the sample name. Both the field duplicate and parent sample contained no detections of PCBs indicating good correlation between the samples.

8. Overall Assessment

The PCB data are acceptable for use based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089175 and 5089181

TPH BY SW-846 METHOD 8015

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
FAW-SB06(0-2)-103013	5089175001	Soil	10/30/2013	11/1/2013	11/4/2013 – 11/7/2013
FAW-SB06(2-4)-103013	5089175002	Soil	10/30/2013	11/1/2013	11/4/2013 – 11/7/2013
FAW-SB06(8-10)-103013	5089175002	Soil	10/30/2013	11/1/2013	11/4/2013 – 11/4/2013
FAW-MW02(6-8)-103013	5089175004	Soil	10/30/2013	11/1/2013	11/4/2013 – 11/7/2013
FAW-SB02(0-2)-103013	5089181001	Soil	10/30/2013	11/1/2013	11/4/2013 – 11/8/2013
FAW-SB02(0-2)-103013D	5089181002	Soil	10/30/2013	11/1/2013	11/4/2013 – 11/8/2013
FAW-SB02(2-4)-103013	5089181003	Soil	10/30/2013	11/1/2013	11/4/2013 – 11/8/2013
FAW-SB02(27-29)-103013	5089181004	Soil	10/30/2013	11/1/2013	11/4/2013 – 11/8/2013
FAW-SB02(8-10)-103013	5089181005	Soil	10/30/2013	11/1/2013	11/4/2013 – 11/8/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis for TPH, TPH (C10-20) and TPH (C20-C34); and 14 days from sample collection to analysis for gasoline range organics (GRO).

3. Blanks

Method blanks were analyzed with the TPH analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits except for as follows.

In some instances, Pace did not evaluate the surrogate recoveries due to sample dilution. No qualifications are warranted in these instances.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed. The percent recoveries and RPDs were within QC limits except for as follows. One RPD was detected lightly above the QC limit. No qualifications were applied for this minor discrepancy.

7. Field Duplicate Results

There is one field duplicate associated with this work order which is identified with a "D" in the suffix of the sample name. RPDs were calculated for detected TPH results and ranged from 6 to 9 percent which is acceptable.

8. Overall Assessment

Some TPH results were flagged "J" by the laboratory to indicate that the result is below the reporting limit. These results should be considered estimated.

The TPH data are acceptable for use based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089175 and 5089181

TOTAL METALS BY SW-846 METHODS 6010 AND 7471

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-SB06(0-2)-103013	5089175001	Soil	10/30/2013	11/4/2013 – 11/5/2013
FAW-SB06(2-4)-103013	5089175002	Soil	10/30/2013	11/4/2013 – 11/5/2013
FAW-SB06(8-10)-103013	5089175002	Soil	10/30/2013	11/4/2013 – 11/5/2013
FAW-MW02(6-8)-103013	5089175004	Soil	10/30/2013	11/4/2013 – 11/5/2013
FAW-SB02(0-2)-103013	5089181001	Soil	10/30/2013	11/4/2013 – 11/7/2013
FAW-SB02(0-2)-103013D	5089181002	Soil	10/30/2013	11/4/2013 – 11/7/2013
FAW-SB02(2-4)-103013	5089181003	Soil	10/30/2013	11/4/2013 – 11/7/2013
FAW-SB02(27-29)-103013	5089181004	Soil	10/30/2013	11/4/2013 – 11/7/2013
FAW-SB02(8-10)-103013	5089181005	Soil	10/30/2013	11/4/2013 – 11/7/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 28 days from sample collection to analysis for mercury and 180 days from sample collection to analysis for all other metals.

3. Blank Results

Method blanks were analyzed with the metals analysis. The blanks were free of target analyte contamination above the reporting limits.

4. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

5. MS and MSD Results

A site-specific MS and MSD were analyzed using sample FAW-SB02(2-4)-103013 as the spiked sample. The percent recoveries and RPDs were within QC limits except for as follows.

The following metals were detected low in the MS and/or MSD: antimony and arsenic. The quantitation limit for antimony was flagged “UJ” as estimated and the detected result for arsenic was flagged “J” as estimated due to potential matrix interference.

6. Field Duplicate Results

There is one field duplicate associated with this work order. The RPDs were calculated for detected metals and ranged from 0 to 27 percent which is acceptable.

7. Overall Assessment

The laboratory flagged some metals results with a "J" to indicate that the result was detected below the reporting limit. These results should be considered estimated.

The metals data are acceptable for use as qualified based on the information received.

GENERAL CHEMISTRY PARAMETERS (pH by SW-846 Method 9045)

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-SB06(2-4)-103013	5089175002	Soil	10/30/2013	11/1/2013
FAW-SB02(0-2)-103013	5089181001	Soil	10/30/2013	11/1/2013

2. Holding Times

The sample holding times were acceptable.

3. Laboratory Duplicate Results

Laboratory duplicates were analyzed with the pH analyses. The RPDs were within the QC limits.

4. Overall Assessment

The general chemistry parameters are acceptable for use based on the information received.

ATTACHMENT

PACE ANALYTICAL SERVICES, INC.
RESULTS SUMMARY WITH QUALIFIERS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(0-2)-103013 **Lab ID: 5089175001** Collected: 10/30/13 13:12 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**785**	mg/kg	247	61.8	10	11/01/13 10:28	11/04/13 10:18		
TPH (C10-C20)	**62.8J**	mg/kg	124	61.8	10	11/01/13 10:28	11/04/13 10:18		
TPH (C20-C34)	**722**	mg/kg	124	61.8	10	11/01/13 10:28	11/04/13 10:18		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/01/13 10:28	11/04/13 10:18	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	124	61.8	1	11/01/13 12:42	11/06/13 13:21	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	124	61.8	1	11/01/13 12:42	11/06/13 13:21	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	124	61.8	1	11/01/13 12:42	11/06/13 13:21	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	124	61.8	1	11/01/13 12:42	11/06/13 13:21	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	124	61.8	1	11/01/13 12:42	11/06/13 13:21	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	124	61.8	1	11/01/13 12:42	11/06/13 13:21	11097-69-1	
PCB-1260 (Aroclor 1260)	**81.8J**	ug/kg	124	61.8	1	11/01/13 12:42	11/06/13 13:21	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	57	%.	30-106		1	11/01/13 12:42	11/06/13 13:21	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.92	0.46	1		11/07/13 16:29		
Surrogates									
4-Bromofluorobenzene (S)	110	%.	38-163		1		11/07/13 16:29	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**12900**	mg/kg	59.8	29.9	1	11/02/13 08:38	11/04/13 08:36	7429-90-5	
Antimony	ND	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-36-0	
Arsenic	**14.6**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-38-2	
Barium	**724**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-39-3	
Beryllium	**0.90**	mg/kg	0.60	0.30	1	11/02/13 08:38	11/04/13 08:36	7440-41-7	
Cadmium	**0.89J**	mg/kg	2.4	0.60	1	11/02/13 08:38	11/04/13 08:36	7440-43-9	
Chromium	**19.5**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-47-3	
Cobalt	**11.0**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-48-4	
Copper	**44.0**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-50-8	
Lead	**97.5**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7439-92-1	
Nickel	**29.5**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-02-0	
Selenium	ND	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7782-49-2	
Silver	ND	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-22-4	
Thallium	ND	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-28-0	
Vanadium	**21.0**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-62-2	
Zinc	**463**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**1.3**	mg/kg	0.24	0.21	1	11/04/13 11:15	11/05/13 13:23	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(0-2)-103013 **Lab ID: 5089175001** Collected: 10/30/13 13:12 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	83-32-9	
Acenaphthylene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	208-96-8	
Anthracene	**4940**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	120-12-7	
Benzo(a)anthracene	**11800**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	56-55-3	
Benzo(a)pyrene	**11700**	ug/kg	2090	2020	10	11/01/13 09:11	11/04/13 23:54	50-32-8	
Benzo(b)fluoranthene	**15000**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	205-99-2	
Benzo(g,h,i)perylene	**7450**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	191-24-2	
Benzo(k)fluoranthene	**6070**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	207-08-9	
Benzyl alcohol	ND	ug/kg	8100	4050	10	11/01/13 09:11	11/04/13 23:54	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	101-55-3	
Butylbenzylphthalate	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	8100	4050	10	11/01/13 09:11	11/04/13 23:54	59-50-7	
4-Chloroaniline	ND	ug/kg	8100	4050	10	11/01/13 09:11	11/04/13 23:54	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	108-60-1	
2-Chloronaphthalene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	91-58-7	
2-Chlorophenol	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	7005-72-3	
Chrysene	**13000**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2090	2020	10	11/01/13 09:11	11/04/13 23:54	53-70-3	
Dibenzofuran	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	120-83-2	
Diethylphthalate	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	105-67-9	
Dimethylphthalate	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	131-11-3	
Di-n-butylphthalate	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19600	9820	10	11/01/13 09:11	11/04/13 23:54	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19600	19600	10	11/01/13 09:11	11/04/13 23:54	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	606-20-2	
Di-n-octylphthalate	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	117-81-7	
Fluoranthene	**31000**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	206-44-0	
Fluorene	**2170J**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	4050	4050	10	11/01/13 09:11	11/04/13 23:54	77-47-4	
Hexachloroethane	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	67-72-1	
Indeno(1,2,3-cd)pyrene	**8510**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	193-39-5	
Isophorone	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	78-59-1	
2-Methylnaphthalene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	8100	4050	10	11/01/13 09:11	11/04/13 23:54		
Naphthalene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	91-20-3	
2-Nitroaniline	ND	ug/kg	19600	9820	10	11/01/13 09:11	11/04/13 23:54	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(0-2)-103013 **Lab ID: 5089175001** Collected: 10/30/13 13:12 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	19600	9820	10	11/01/13 09:11	11/04/13 23:54	99-09-2	
4-Nitroaniline	ND	ug/kg	19600	9820	10	11/01/13 09:11	11/04/13 23:54	100-01-6	
Nitrobenzene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	98-95-3	
2-Nitrophenol	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	88-75-5	
4-Nitrophenol	ND	ug/kg	19600	9820	10	11/01/13 09:11	11/04/13 23:54	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	86-30-6	
Phenanthrene	**19800**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	85-01-8	
Phenol	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	108-95-2	1d
Pyrene	**24500**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	78	%.	28-101		10	11/01/13 09:11	11/04/13 23:54	4165-60-0	
2-Fluorobiphenyl (S)	81	%.	31-94		10	11/01/13 09:11	11/04/13 23:54	321-60-8	
p-Terphenyl-d14 (S)	114	%.	26-110		10	11/01/13 09:11	11/04/13 23:54	1718-51-0	S4
Phenol-d5 (S)	85	%.	28-101		10	11/01/13 09:11	11/04/13 23:54	4165-62-2	
2-Fluorophenol (S)	86	%.	24-104		10	11/01/13 09:11	11/04/13 23:54	367-12-4	
2,4,6-Tribromophenol (S)	83	%.	16-122		10	11/01/13 09:11	11/04/13 23:54	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.092	0.046	1		11/11/13 16:43	67-64-1	
Acrolein	ND	mg/kg	0.092	0.046	1		11/11/13 16:43	107-02-8	
Benzene	ND	mg/kg	0.0046	0.00092	1		11/11/13 16:43	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-27-4	
Bromoform	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	0.011	1		11/11/13 16:43	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	98-06-6	
Carbon disulfide	ND	mg/kg	0.0092	0.0023	1		11/11/13 16:43	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	108-90-7	
Chloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	124-48-1	
Dibromomethane	ND	mg/kg	0.0046	0.0030	1		11/11/13 16:43	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(0-2)-103013 **Lab ID: 5089175001** Collected: 10/30/13 13:12 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.092	0.046	1		11/11/13 16:43	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.092	0.046	1		11/11/13 16:43	97-63-2	
n-Hexane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	110-54-3	N2
2-Hexanone	ND	mg/kg	0.092	0.046	1		11/11/13 16:43	591-78-6	
Iodomethane	ND	mg/kg	0.092	0.046	1		11/11/13 16:43	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0092	1		11/11/13 16:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	0.011	1		11/11/13 16:43	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0013	1		11/11/13 16:43	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	103-65-1	
Styrene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0018	1		11/11/13 16:43	127-18-4	
Toluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.0016	1		11/11/13 16:43	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	108-67-8	
Vinyl acetate	ND	mg/kg	0.092	0.046	1		11/11/13 16:43	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-01-4	
Xylene (Total)	ND	mg/kg	0.0092	0.0046	1		11/11/13 16:43	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	91	%.	85-118		1		11/11/13 16:43	1868-53-7	
Toluene-d8 (S)	103	%.	71-128		1		11/11/13 16:43	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(0-2)-103013 **Lab ID: 5089175001** Collected: 10/30/13 13:12 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	99	%.	56-144		1		11/11/13 16:43	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.0**	%	0.10	0.10	1		11/01/13 12:16		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(2-4)-103013 **Lab ID: 5089175002** Collected: 10/30/13 13:15 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**1220**	mg/kg	229	57.2	10	11/01/13 10:28	11/04/13 10:24		
TPH (C10-C20)	**99.8J**	mg/kg	114	57.2	10	11/01/13 10:28	11/04/13 10:24		
TPH (C20-C34)	**1120**	mg/kg	114	57.2	10	11/01/13 10:28	11/04/13 10:24		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/01/13 10:28	11/04/13 10:24	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1140	570	10	11/01/13 12:42	11/06/13 13:27	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1140	570	10	11/01/13 12:42	11/06/13 13:27	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1140	570	10	11/01/13 12:42	11/06/13 13:27	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1140	570	10	11/01/13 12:42	11/06/13 13:27	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1140	570	10	11/01/13 12:42	11/06/13 13:27	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1140	570	10	11/01/13 12:42	11/06/13 13:27	11097-69-1	
PCB-1260 (Aroclor 1260)	**973J**	ug/kg	1140	570	10	11/01/13 12:42	11/06/13 13:27	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/01/13 12:42	11/06/13 13:27	877-09-8	S4
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.0	0.51	1		11/07/13 16:54		
Surrogates									
4-Bromofluorobenzene (S)	87	%.	38-163		1		11/07/13 16:54	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11600**	mg/kg	54.8	27.4	1	11/02/13 08:38	11/04/13 08:39	7429-90-5	
Antimony	**7.2**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-36-0	
Arsenic	**22.1**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-38-2	
Barium	**591**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-39-3	
Beryllium	**0.87**	mg/kg	0.55	0.27	1	11/02/13 08:38	11/04/13 08:39	7440-41-7	
Cadmium	**34.6**	mg/kg	2.2	0.55	1	11/02/13 08:38	11/04/13 08:39	7440-43-9	
Chromium	**48.2**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-47-3	
Cobalt	**8.2**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-48-4	
Copper	**390**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-50-8	
Lead	**1370**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7439-92-1	
Nickel	**124**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-28-0	
Vanadium	**16.8**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-62-2	
Zinc	**3720**	mg/kg	11.0	5.5	5	11/02/13 08:38	11/04/13 09:20	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.47**	mg/kg	0.24	0.20	1	11/04/13 11:15	11/05/13 13:25	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(2-4)-103013 **Lab ID: 5089175002** Collected: 10/30/13 13:15 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	83-32-9	
Acenaphthylene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	208-96-8	
Anthracene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1940	1890	10	11/01/13 09:11	11/04/13 23:13	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	207-08-9	
Benzyl alcohol	ND	ug/kg	7550	3770	10	11/01/13 09:11	11/04/13 23:13	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7550	3770	10	11/01/13 09:11	11/04/13 23:13	59-50-7	
4-Chloroaniline	ND	ug/kg	7550	3770	10	11/01/13 09:11	11/04/13 23:13	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	91-58-7	
2-Chlorophenol	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	7005-72-3	
Chrysene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1940	1890	10	11/01/13 09:11	11/04/13 23:13	53-70-3	
Dibenzofuran	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	120-83-2	
Diethylphthalate	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	105-67-9	
Dimethylphthalate	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	18300	9150	10	11/01/13 09:11	11/04/13 23:13	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18300	18300	10	11/01/13 09:11	11/04/13 23:13	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	117-81-7	
Fluoranthene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	206-44-0	
Fluorene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3770	3770	10	11/01/13 09:11	11/04/13 23:13	77-47-4	
Hexachloroethane	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	193-39-5	
Isophorone	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7550	3770	10	11/01/13 09:11	11/04/13 23:13		
Naphthalene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	91-20-3	
2-Nitroaniline	ND	ug/kg	18300	9150	10	11/01/13 09:11	11/04/13 23:13	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(2-4)-103013 **Lab ID: 5089175002** Collected: 10/30/13 13:15 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	18300	9150	10	11/01/13 09:11	11/04/13 23:13	99-09-2	
4-Nitroaniline	ND	ug/kg	18300	9150	10	11/01/13 09:11	11/04/13 23:13	100-01-6	
Nitrobenzene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	98-95-3	
2-Nitrophenol	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	88-75-5	
4-Nitrophenol	ND	ug/kg	18300	9150	10	11/01/13 09:11	11/04/13 23:13	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	86-30-6	
Phenanthrene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	85-01-8	
Phenol	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	108-95-2	1d
Pyrene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	43	%.	28-101		10	11/01/13 09:11	11/04/13 23:13	4165-60-0	
2-Fluorobiphenyl (S)	53	%.	31-94		10	11/01/13 09:11	11/04/13 23:13	321-60-8	
p-Terphenyl-d14 (S)	71	%.	26-110		10	11/01/13 09:11	11/04/13 23:13	1718-51-0	
Phenol-d5 (S)	52	%.	28-101		10	11/01/13 09:11	11/04/13 23:13	4165-62-2	
2-Fluorophenol (S)	52	%.	24-104		10	11/01/13 09:11	11/04/13 23:13	367-12-4	
2,4,6-Tribromophenol (S)	47	%.	16-122		10	11/01/13 09:11	11/04/13 23:13	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.098	0.049	1		11/13/13 16:48	67-64-1	
Acrolein	ND	mg/kg	0.098	0.049	1		11/13/13 16:48	107-02-8	
Benzene	ND	mg/kg	0.0049	0.00098	1		11/13/13 16:48	71-43-2	
Bromobenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	108-86-1	
Bromochloromethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	75-27-4	
Bromoform	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	75-25-2	
Bromomethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.025	0.012	1		11/13/13 16:48	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	98-06-6	
Carbon disulfide	ND	mg/kg	0.0098	0.0025	1		11/13/13 16:48	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	56-23-5	
Chlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	108-90-7	
Chloroethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	75-00-3	
Chloroform	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	67-66-3	
Chloromethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	124-48-1	
Dibromomethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(2-4)-103013 **Lab ID: 5089175002** Collected: 10/30/13 13:15 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.098	0.049	1		11/13/13 16:48	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0049	0.0026	1		11/13/13 16:48	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.098	0.049	1		11/13/13 16:48	97-63-2	
n-Hexane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	110-54-3	N2
2-Hexanone	ND	mg/kg	0.098	0.049	1		11/13/13 16:48	591-78-6	
Iodomethane	ND	mg/kg	0.098	0.049	1		11/13/13 16:48	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	99-87-6	
Methylene Chloride	ND	mg/kg	0.020	0.0098	1		11/13/13 16:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.025	0.012	1		11/13/13 16:48	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	103-65-1	
Styrene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0049	0.00098	1		11/13/13 16:48	127-18-4	
Toluene	**0.0031J**	mg/kg	0.0049	0.0025	1		11/13/13 16:48	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	79-00-5	
Trichloroethene	ND	mg/kg	0.0049	0.00098	1		11/13/13 16:48	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	75-69-4	
1,2,4-Trimethylbenzene	**0.017**	mg/kg	0.0049	0.0025	1		11/13/13 16:48	95-63-6	
1,3,5-Trimethylbenzene	**0.010**	mg/kg	0.0049	0.0025	1		11/13/13 16:48	108-67-8	
Vinyl acetate	ND	mg/kg	0.098	0.049	1		11/13/13 16:48	108-05-4	
Vinyl chloride	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	75-01-4	
Xylene (Total)	ND	mg/kg	0.0098	0.0049	1		11/13/13 16:48	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	116	%.	85-118		1		11/13/13 16:48	1868-53-7	
Toluene-d8 (S)	128	%.	71-128		1		11/13/13 16:48	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(2-4)-103013 **Lab ID: 5089175002** Collected: 10/30/13 13:15 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	73	%.	56-144		1		11/13/13 16:48	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.6**	%	0.10	0.10	1		11/01/13 12:16		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.6**	Std. Units	0.10		1		11/01/13 14:17		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(8-10)-103013 **Lab ID: 5089175003** Collected: 10/30/13 13:23 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**353**	mg/kg	234	58.4	10	11/01/13 10:28	11/04/13 10:31		
TPH (C10-C20)	ND	mg/kg	117	58.4	10	11/01/13 10:28	11/04/13 10:31		
TPH (C20-C34)	**321**	mg/kg	117	58.4	10	11/01/13 10:28	11/04/13 10:31		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/01/13 10:28	11/04/13 10:31	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	118	59.0	1	11/01/13 12:42	11/06/13 13:33	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	118	59.0	1	11/01/13 12:42	11/06/13 13:33	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	118	59.0	1	11/01/13 12:42	11/06/13 13:33	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	118	59.0	1	11/01/13 12:42	11/06/13 13:33	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	118	59.0	1	11/01/13 12:42	11/06/13 13:33	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	118	59.0	1	11/01/13 12:42	11/06/13 13:33	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	118	59.0	1	11/01/13 12:42	11/06/13 13:33	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	59	%.	30-106		1	11/01/13 12:42	11/06/13 13:33	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7360**	mg/kg	51.2	25.6	1	11/02/13 08:38	11/04/13 08:41	7429-90-5	
Antimony	ND	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-36-0	
Arsenic	**13.0**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-38-2	
Barium	**346**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-39-3	
Beryllium	**0.48J**	mg/kg	0.51	0.26	1	11/02/13 08:38	11/04/13 08:41	7440-41-7	
Cadmium	**4.6**	mg/kg	2.0	0.51	1	11/02/13 08:38	11/04/13 08:41	7440-43-9	
Chromium	**16.3**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-47-3	
Cobalt	**5.2**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-48-4	
Copper	**92.7**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-50-8	
Lead	**270**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7439-92-1	
Nickel	**18.1**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-02-0	
Selenium	ND	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7782-49-2	
Silver	**1.1J**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-22-4	
Thallium	ND	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-28-0	
Vanadium	**18.8**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-62-2	
Zinc	**1200**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.39**	mg/kg	0.23	0.20	1	11/04/13 11:15	11/05/13 13:27	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	83-32-9	
Acenaphthylene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	208-96-8	
Anthracene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	56-55-3	
Benzo(a)pyrene	ND	ug/kg	2000	1940	10	11/01/13 09:11	11/04/13 23:33	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(8-10)-103013 **Lab ID: 5089175003** Collected: 10/30/13 13:23 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**2150J**	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	207-08-9	
Benzyl alcohol	ND	ug/kg	7770	3880	10	11/01/13 09:11	11/04/13 23:33	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7770	3880	10	11/01/13 09:11	11/04/13 23:33	59-50-7	
4-Chloroaniline	ND	ug/kg	7770	3880	10	11/01/13 09:11	11/04/13 23:33	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	91-58-7	
2-Chlorophenol	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	7005-72-3	
Chrysene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2000	1940	10	11/01/13 09:11	11/04/13 23:33	53-70-3	
Dibenzofuran	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	120-83-2	
Diethylphthalate	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	105-67-9	
Dimethylphthalate	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	18800	9410	10	11/01/13 09:11	11/04/13 23:33	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18800	18800	10	11/01/13 09:11	11/04/13 23:33	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	117-81-7	
Fluoranthene	**4310**	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	206-44-0	
Fluorene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3880	3880	10	11/01/13 09:11	11/04/13 23:33	77-47-4	
Hexachloroethane	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	193-39-5	
Isophorone	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7770	3880	10	11/01/13 09:11	11/04/13 23:33		
Naphthalene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	91-20-3	
2-Nitroaniline	ND	ug/kg	18800	9410	10	11/01/13 09:11	11/04/13 23:33	88-74-4	
3-Nitroaniline	ND	ug/kg	18800	9410	10	11/01/13 09:11	11/04/13 23:33	99-09-2	
4-Nitroaniline	ND	ug/kg	18800	9410	10	11/01/13 09:11	11/04/13 23:33	100-01-6	
Nitrobenzene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	98-95-3	
2-Nitrophenol	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	88-75-5	
4-Nitrophenol	ND	ug/kg	18800	9410	10	11/01/13 09:11	11/04/13 23:33	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(8-10)-103013 **Lab ID: 5089175003** Collected: 10/30/13 13:23 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	86-30-6	
Phenanthrene	**3000J**	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	85-01-8	
Phenol	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	108-95-2	
Pyrene	**3390J**	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	44	%.	28-101		10	11/01/13 09:11	11/04/13 23:33	4165-60-0	
2-Fluorobiphenyl (S)	47	%.	31-94		10	11/01/13 09:11	11/04/13 23:33	321-60-8	
p-Terphenyl-d14 (S)	61	%.	26-110		10	11/01/13 09:11	11/04/13 23:33	1718-51-0	
Phenol-d5 (S)	47	%.	28-101		10	11/01/13 09:11	11/04/13 23:33	4165-62-2	
2-Fluorophenol (S)	48	%.	24-104		10	11/01/13 09:11	11/04/13 23:33	367-12-4	
2,4,6-Tribromophenol (S)	43	%.	16-122		10	11/01/13 09:11	11/04/13 23:33	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.3**	%	0.10	0.10	1		11/01/13 12:16		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-MW02(6-8)-103013 **Lab ID: 5089175004** Collected: 10/30/13 15:42 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**305**	mg/kg	219	54.7	10	11/01/13 10:28	11/04/13 10:38		
TPH (C10-C20)	**62.4J**	mg/kg	109	54.7	10	11/01/13 10:28	11/04/13 10:38		
TPH (C20-C34)	**243**	mg/kg	109	54.7	10	11/01/13 10:28	11/04/13 10:38		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/01/13 10:28	11/04/13 10:38	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	109	54.3	1	11/01/13 12:42	11/05/13 13:57	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	109	54.3	1	11/01/13 12:42	11/05/13 13:57	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	109	54.3	1	11/01/13 12:42	11/05/13 13:57	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	109	54.3	1	11/01/13 12:42	11/05/13 13:57	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	109	54.3	1	11/01/13 12:42	11/05/13 13:57	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	109	54.3	1	11/01/13 12:42	11/05/13 13:57	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	109	54.3	1	11/01/13 12:42	11/05/13 13:57	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	65	%.	30-106		1	11/01/13 12:42	11/05/13 13:57	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.78	0.39	1		11/07/13 17:18		
Surrogates									
4-Bromofluorobenzene (S)	103	%.	38-163		1		11/07/13 17:18	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**8220**	mg/kg	53.5	26.8	1	11/02/13 08:38	11/04/13 08:43	7429-90-5	
Antimony	ND	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-36-0	
Arsenic	**14.6**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-38-2	
Barium	**292**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-39-3	
Beryllium	**0.73**	mg/kg	0.54	0.27	1	11/02/13 08:38	11/04/13 08:43	7440-41-7	
Cadmium	ND	mg/kg	2.1	0.54	1	11/02/13 08:38	11/04/13 08:43	7440-43-9	
Chromium	**11.9**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-47-3	
Cobalt	**6.3**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-48-4	
Copper	**50.1**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-50-8	
Lead	**318**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7439-92-1	
Nickel	**18.4**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-02-0	
Selenium	ND	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7782-49-2	
Silver	ND	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-22-4	
Thallium	ND	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-28-0	
Vanadium	**17.7**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-62-2	
Zinc	**217**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.41**	mg/kg	0.22	0.19	1	11/04/13 11:15	11/05/13 13:29	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-MW02(6-8)-103013 **Lab ID: 5089175004** Collected: 10/30/13 15:42 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**501**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	83-32-9	
Acenaphthylene	**554**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	208-96-8	
Anthracene	**1780**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	120-12-7	
Benzo(a)anthracene	**4810**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	56-55-3	
Benzo(a)pyrene	**4090**	ug/kg	187	181	1	11/01/13 09:11	11/05/13 16:59	50-32-8	
Benzo(b)fluoranthene	**5700**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	205-99-2	
Benzo(g,h,i)perylene	**2400**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	191-24-2	
Benzo(k)fluoranthene	**2010**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	207-08-9	
Benzyl alcohol	ND	ug/kg	724	362	1	11/01/13 09:11	11/05/13 16:59	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	101-55-3	
Butylbenzylphthalate	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	724	362	1	11/01/13 09:11	11/05/13 16:59	59-50-7	
4-Chloroaniline	ND	ug/kg	724	362	1	11/01/13 09:11	11/05/13 16:59	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	108-60-1	
2-Chloronaphthalene	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	91-58-7	
2-Chlorophenol	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	7005-72-3	
Chrysene	**4610**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	187	181	1	11/01/13 09:11	11/05/13 16:59	53-70-3	
Dibenzofuran	**498**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	120-83-2	
Diethylphthalate	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	105-67-9	
Dimethylphthalate	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	131-11-3	
Di-n-butylphthalate	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1760	878	1	11/01/13 09:11	11/05/13 16:59	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1760	1760	1	11/01/13 09:11	11/05/13 16:59	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	606-20-2	
Di-n-octylphthalate	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	117-81-7	
Fluoranthene	**14700**	ug/kg	3620	1810	10	11/01/13 09:11	11/12/13 20:40	206-44-0	
Fluorene	**580**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	362	362	1	11/01/13 09:11	11/05/13 16:59	77-47-4	
Hexachloroethane	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	67-72-1	
Indeno(1,2,3-cd)pyrene	**2300**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	193-39-5	
Isophorone	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	78-59-1	
2-Methylnaphthalene	**684**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	724	362	1	11/01/13 09:11	11/05/13 16:59		
Naphthalene	**605**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	91-20-3	
2-Nitroaniline	ND	ug/kg	1760	878	1	11/01/13 09:11	11/05/13 16:59	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-MW02(6-8)-103013 **Lab ID: 5089175004** Collected: 10/30/13 15:42 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1760	878	1	11/01/13 09:11	11/05/13 16:59	99-09-2	
4-Nitroaniline	ND	ug/kg	1760	878	1	11/01/13 09:11	11/05/13 16:59	100-01-6	
Nitrobenzene	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	98-95-3	
2-Nitrophenol	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	88-75-5	
4-Nitrophenol	ND	ug/kg	1760	878	1	11/01/13 09:11	11/05/13 16:59	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	86-30-6	
Phenanthrene	**10300**	ug/kg	3620	1810	10	11/01/13 09:11	11/12/13 20:40	85-01-8	
Phenol	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	108-95-2	
Pyrene	**12300**	ug/kg	3620	1810	10	11/01/13 09:11	11/12/13 20:40	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	66	%.	28-101		1	11/01/13 09:11	11/05/13 16:59	4165-60-0	
2-Fluorobiphenyl (S)	68	%.	31-94		1	11/01/13 09:11	11/05/13 16:59	321-60-8	
p-Terphenyl-d14 (S)	87	%.	26-110		1	11/01/13 09:11	11/05/13 16:59	1718-51-0	
Phenol-d5 (S)	60	%.	28-101		1	11/01/13 09:11	11/05/13 16:59	4165-62-2	
2-Fluorophenol (S)	69	%.	24-104		1	11/01/13 09:11	11/05/13 16:59	367-12-4	
2,4,6-Tribromophenol (S)	74	%.	16-122		1	11/01/13 09:11	11/05/13 16:59	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.077	0.038	1		11/11/13 17:49	67-64-1	
Acrolein	ND	mg/kg	0.077	0.038	1		11/11/13 17:49	107-02-8	
Benzene	ND	mg/kg	0.0038	0.00077	1		11/11/13 17:49	71-43-2	
Bromobenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	108-86-1	
Bromochloromethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-27-4	
Bromoform	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-25-2	
Bromomethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.019	0.0092	1		11/11/13 17:49	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	98-06-6	
Carbon disulfide	ND	mg/kg	0.0077	0.0019	1		11/11/13 17:49	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	56-23-5	
Chlorobenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	108-90-7	
Chloroethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-00-3	
Chloroform	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	67-66-3	
Chloromethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	124-48-1	
Dibromomethane	ND	mg/kg	0.0038	0.0025	1		11/11/13 17:49	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-MW02(6-8)-103013 **Lab ID: 5089175004** Collected: 10/30/13 15:42 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.077	0.038	1		11/11/13 17:49	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.077	0.038	1		11/11/13 17:49	97-63-2	
n-Hexane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	110-54-3	N2
2-Hexanone	ND	mg/kg	0.077	0.038	1		11/11/13 17:49	591-78-6	
Iodomethane	ND	mg/kg	0.077	0.038	1		11/11/13 17:49	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	99-87-6	
Methylene Chloride	ND	mg/kg	0.015	0.0077	1		11/11/13 17:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.019	0.0092	1		11/11/13 17:49	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0038	0.0011	1		11/11/13 17:49	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	103-65-1	
Styrene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0038	0.0015	1		11/11/13 17:49	127-18-4	
Toluene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	79-00-5	
Trichloroethene	ND	mg/kg	0.0038	0.0013	1		11/11/13 17:49	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	108-67-8	
Vinyl acetate	ND	mg/kg	0.077	0.038	1		11/11/13 17:49	108-05-4	
Vinyl chloride	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-01-4	
Xylene (Total)	ND	mg/kg	0.0077	0.0038	1		11/11/13 17:49	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	92	%.	85-118		1		11/11/13 17:49	1868-53-7	
Toluene-d8 (S)	110	%.	71-128		1		11/11/13 17:49	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-MW02(6-8)-103013 **Lab ID: 5089175004** Collected: 10/30/13 15:42 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	87	%.	56-144		1		11/11/13 17:49	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.8**	%	0.10	0.10	1		11/01/13 12:16		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-TB05-103013 **Lab ID: 5089175005** Collected: 10/30/13 08:00 Received: 10/31/13 10:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/08/13 19:37	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/08/13 19:37	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/08/13 19:37	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/08/13 19:37	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/08/13 19:37	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/08/13 19:37	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/08/13 19:37	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-25-2	
Bromomethane	ND	ug/L	5.0	3.9	1		11/08/13 19:37	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/08/13 19:37	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/08/13 19:37	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/08/13 19:37	67-66-3	
Chloromethane	ND	ug/L	5.0	3.0	1		11/08/13 19:37	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.7	1		11/08/13 19:37	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/08/13 19:37	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	100-41-4	
Iodomethane	ND	ug/L	10.0	5.3	1		11/08/13 19:37	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/08/13 19:37	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/08/13 19:37	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-TB05-103013 **Lab ID: 5089175005** Collected: 10/30/13 08:00 Received: 10/31/13 10:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.4	1		11/08/13 19:37	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.1	1		11/08/13 19:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/08/13 19:37	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.2	1		11/08/13 19:37	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/08/13 19:37	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/08/13 19:37	110-57-6	
Surrogates									
Dibromofluoromethane (S)	107	%.	79-116		1		11/08/13 19:37	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114		1		11/08/13 19:37	460-00-4	
Toluene-d8 (S)	97	%.	81-110		1		11/08/13 19:37	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(0-2)-103013 **Lab ID: 5089181001** Collected: 10/30/13 14:00 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**125**	mg/kg	118	29.4	5	11/01/13 10:28	11/04/13 10:44		
TPH (C10-C20)	**34.3J**	mg/kg	58.8	29.4	5	11/01/13 10:28	11/04/13 10:44		
TPH (C20-C34)	**90.8**	mg/kg	58.8	29.4	5	11/01/13 10:28	11/04/13 10:44		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		5	11/01/13 10:28	11/04/13 10:44	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1180	590	10	11/01/13 12:42	11/07/13 17:01	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1180	590	10	11/01/13 12:42	11/07/13 17:01	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1180	590	10	11/01/13 12:42	11/07/13 17:01	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1180	590	10	11/01/13 12:42	11/07/13 17:01	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1180	590	10	11/01/13 12:42	11/07/13 17:01	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1180	590	10	11/01/13 12:42	11/07/13 17:01	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1180	590	10	11/01/13 12:42	11/07/13 17:01	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/01/13 12:42	11/07/13 17:01	877-09-8	S4
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.85	0.42	1		11/08/13 01:12		
Surrogates									
4-Bromofluorobenzene (S)	101	%.	38-163		1		11/08/13 01:12	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7300**	mg/kg	56.9	28.5	1	11/02/13 08:38	11/04/13 08:45	7429-90-5	
Antimony	ND	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 08:45	7440-36-0	
Arsenic	**19.2**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 08:45	7440-38-2	
Barium	**118**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 08:45	7440-39-3	
Beryllium	**1.1**	mg/kg	0.57	0.28	1	11/02/13 08:38	11/04/13 08:45	7440-41-7	
Cadmium	**1.2J**	mg/kg	2.3	0.57	1	11/02/13 08:38	11/04/13 08:45	7440-43-9	
Chromium	**8.8**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 08:45	7440-47-3	
Cobalt	**6.8**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 08:45	7440-48-4	
Copper	**121**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 08:45	7440-50-8	
Lead	**91.7**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 08:45	7439-92-1	
Nickel	**23.5**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 08:45	7440-02-0	
Selenium	ND	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 08:45	7782-49-2	
Silver	ND	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 08:45	7440-22-4	
Thallium	ND	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 08:45	7440-28-0	
Vanadium	**15.0**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 08:45	7440-62-2	
Zinc	**106**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 08:45	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	0.20	1	11/06/13 11:10	11/07/13 14:01	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(0-2)-103013 **Lab ID: 5089181001** Collected: 10/30/13 14:00 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	83-32-9	
Acenaphthylene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	208-96-8	
Anthracene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	201	195	1	11/01/13 09:11	11/05/13 16:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	207-08-9	
Benzyl alcohol	ND	ug/kg	779	389	1	11/01/13 09:11	11/05/13 16:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	101-55-3	
Butylbenzylphthalate	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	779	389	1	11/01/13 09:11	11/05/13 16:39	59-50-7	
4-Chloroaniline	ND	ug/kg	779	389	1	11/01/13 09:11	11/05/13 16:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	108-60-1	
2-Chloronaphthalene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	91-58-7	
2-Chlorophenol	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	7005-72-3	
Chrysene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	201	195	1	11/01/13 09:11	11/05/13 16:39	53-70-3	
Dibenzofuran	**311J**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	120-83-2	
Diethylphthalate	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	105-67-9	
Dimethylphthalate	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	131-11-3	
Di-n-butylphthalate	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1890	944	1	11/01/13 09:11	11/05/13 16:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	1890	1	11/01/13 09:11	11/05/13 16:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	117-81-7	
Fluoranthene	**206J**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	206-44-0	
Fluorene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	389	389	1	11/01/13 09:11	11/05/13 16:39	77-47-4	
Hexachloroethane	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	193-39-5	
Isophorone	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	78-59-1	
2-Methylnaphthalene	**1160**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	779	389	1	11/01/13 09:11	11/05/13 16:39		
Naphthalene	**953**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	91-20-3	
2-Nitroaniline	ND	ug/kg	1890	944	1	11/01/13 09:11	11/05/13 16:39	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(0-2)-103013 **Lab ID: 5089181001** Collected: 10/30/13 14:00 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1890	944	1	11/01/13 09:11	11/05/13 16:39	99-09-2	
4-Nitroaniline	ND	ug/kg	1890	944	1	11/01/13 09:11	11/05/13 16:39	100-01-6	
Nitrobenzene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	98-95-3	
2-Nitrophenol	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	944	1	11/01/13 09:11	11/05/13 16:39	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	86-30-6	
Phenanthrene	**537**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	85-01-8	
Phenol	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	108-95-2	
Pyrene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 16:39	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	61	%.	28-101		1	11/01/13 09:11	11/05/13 16:39	4165-60-0	
2-Fluorobiphenyl (S)	61	%.	31-94		1	11/01/13 09:11	11/05/13 16:39	321-60-8	
p-Terphenyl-d14 (S)	83	%.	26-110		1	11/01/13 09:11	11/05/13 16:39	1718-51-0	
Phenol-d5 (S)	60	%.	28-101		1	11/01/13 09:11	11/05/13 16:39	4165-62-2	
2-Fluorophenol (S)	71	%.	24-104		1	11/01/13 09:11	11/05/13 16:39	367-12-4	
2,4,6-Tribromophenol (S)	72	%.	16-122		1	11/01/13 09:11	11/05/13 16:39	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.11	0.056	1		11/11/13 21:42	67-64-1	
Acrolein	ND	mg/kg	0.11	0.056	1		11/11/13 21:42	107-02-8	
Benzene	ND	mg/kg	0.0056	0.0011	1		11/11/13 21:42	71-43-2	
Bromobenzene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	108-86-1	
Bromochloromethane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	75-27-4	
Bromoform	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	75-25-2	
Bromomethane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.028	0.013	1		11/11/13 21:42	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	0.0028	1		11/11/13 21:42	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	56-23-5	
Chlorobenzene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	108-90-7	
Chloroethane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	75-00-3	
Chloroform	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	67-66-3	
Chloromethane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	124-48-1	
Dibromomethane	ND	mg/kg	0.0056	0.0036	1		11/11/13 21:42	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(0-2)-103013 **Lab ID: 5089181001** Collected: 10/30/13 14:00 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	0.056	1		11/11/13 21:42	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	0.056	1		11/11/13 21:42	97-63-2	
n-Hexane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	110-54-3	N2
2-Hexanone	ND	mg/kg	0.11	0.056	1		11/11/13 21:42	591-78-6	
Iodomethane	ND	mg/kg	0.11	0.056	1		11/11/13 21:42	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	99-87-6	
Methylene Chloride	ND	mg/kg	0.022	0.011	1		11/11/13 21:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.028	0.013	1		11/11/13 21:42	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0056	0.0016	1		11/11/13 21:42	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	103-65-1	
Styrene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0056	0.0021	1		11/11/13 21:42	127-18-4	
Toluene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	79-00-5	
Trichloroethene	ND	mg/kg	0.0056	0.0019	1		11/11/13 21:42	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	0.056	1		11/11/13 21:42	108-05-4	
Vinyl chloride	ND	mg/kg	0.0056	0.0028	1		11/11/13 21:42	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	0.0056	1		11/11/13 21:42	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	97	%.	85-118		1		11/11/13 21:42	1868-53-7	
Toluene-d8 (S)	113	%.	71-128		1		11/11/13 21:42	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(0-2)-103013 **Lab ID: 5089181001** Collected: 10/30/13 14:00 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	83	%.	56-144		1		11/11/13 21:42	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.5**	%	0.10	0.10	1		11/01/13 12:16		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.2**	Std. Units	0.10		1		11/01/13 14:19		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(0-2)-103013D **Lab ID: 5089181002** Collected: 10/30/13 14:00 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**136**	mg/kg	118	29.5	5	11/01/13 10:28	11/04/13 10:51		
TPH (C10-C20)	**36.6J**	mg/kg	59.0	29.5	5	11/01/13 10:28	11/04/13 10:51		
TPH (C20-C34)	**99.2**	mg/kg	59.0	29.5	5	11/01/13 10:28	11/04/13 10:51		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		5	11/01/13 10:28	11/04/13 10:51	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1160	582	10	11/01/13 12:42	11/07/13 17:07	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1160	582	10	11/01/13 12:42	11/07/13 17:07	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1160	582	10	11/01/13 12:42	11/07/13 17:07	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1160	582	10	11/01/13 12:42	11/07/13 17:07	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1160	582	10	11/01/13 12:42	11/07/13 17:07	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1160	582	10	11/01/13 12:42	11/07/13 17:07	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1160	582	10	11/01/13 12:42	11/07/13 17:07	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/01/13 12:42	11/07/13 17:07	877-09-8	S4
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.85	0.43	1		11/08/13 01:37		
Surrogates									
4-Bromofluorobenzene (S)	97	%.	38-163		1		11/08/13 01:37	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**9400**	mg/kg	55.6	27.8	1	11/02/13 08:38	11/04/13 08:47	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:47	7440-36-0	
Arsenic	**14.8**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:47	7440-38-2	
Barium	**101**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:47	7440-39-3	
Beryllium	**1.0**	mg/kg	0.56	0.28	1	11/02/13 08:38	11/04/13 08:47	7440-41-7	
Cadmium	**1.4J**	mg/kg	2.2	0.56	1	11/02/13 08:38	11/04/13 08:47	7440-43-9	
Chromium	**11.5**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:47	7440-47-3	
Cobalt	**6.7**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:47	7440-48-4	
Copper	**93.1**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:47	7440-50-8	
Lead	**96.8**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:47	7439-92-1	
Nickel	**24.4**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:47	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:47	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:47	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:47	7440-28-0	
Vanadium	**16.1**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:47	7440-62-2	
Zinc	**137**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:47	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	0.21	1	11/06/13 11:10	11/07/13 14:03	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(0-2)-103013D **Lab ID: 5089181002** Collected: 10/30/13 14:00 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**293J**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	83-32-9	
Acenaphthylene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	208-96-8	
Anthracene	**561**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	120-12-7	
Benzo(a)anthracene	**1150**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	56-55-3	
Benzo(a)pyrene	**804**	ug/kg	200	195	1	11/01/13 09:11	11/05/13 17:39	50-32-8	
Benzo(b)fluoranthene	**1230**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	205-99-2	
Benzo(g,h,i)perylene	**506**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	191-24-2	
Benzo(k)fluoranthene	**348J**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	207-08-9	
Benzyl alcohol	ND	ug/kg	778	389	1	11/01/13 09:11	11/05/13 17:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	101-55-3	
Butylbenzylphthalate	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	778	389	1	11/01/13 09:11	11/05/13 17:39	59-50-7	
4-Chloroaniline	ND	ug/kg	778	389	1	11/01/13 09:11	11/05/13 17:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	108-60-1	
2-Chloronaphthalene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	91-58-7	
2-Chlorophenol	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	7005-72-3	
Chrysene	**1150**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	200	195	1	11/01/13 09:11	11/05/13 17:39	53-70-3	
Dibenzofuran	**464**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	120-83-2	
Diethylphthalate	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	105-67-9	
Dimethylphthalate	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	131-11-3	
Di-n-butylphthalate	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1890	943	1	11/01/13 09:11	11/05/13 17:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	1890	1	11/01/13 09:11	11/05/13 17:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	117-81-7	
Fluoranthene	**2580**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	206-44-0	
Fluorene	**281J**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	389	389	1	11/01/13 09:11	11/05/13 17:39	77-47-4	
Hexachloroethane	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	67-72-1	
Indeno(1,2,3-cd)pyrene	**487**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	193-39-5	
Isophorone	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	78-59-1	
2-Methylnaphthalene	**1200**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	778	389	1	11/01/13 09:11	11/05/13 17:39		
Naphthalene	**898**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	91-20-3	
2-Nitroaniline	ND	ug/kg	1890	943	1	11/01/13 09:11	11/05/13 17:39	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(0-2)-103013D **Lab ID: 5089181002** Collected: 10/30/13 14:00 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1890	943	1	11/01/13 09:11	11/05/13 17:39	99-09-2	
4-Nitroaniline	ND	ug/kg	1890	943	1	11/01/13 09:11	11/05/13 17:39	100-01-6	
Nitrobenzene	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	98-95-3	
2-Nitrophenol	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	943	1	11/01/13 09:11	11/05/13 17:39	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	86-30-6	
Phenanthrene	**3080**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	85-01-8	
Phenol	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	108-95-2	
Pyrene	**1900**	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	389	195	1	11/01/13 09:11	11/05/13 17:39	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	63	%.	28-101		1	11/01/13 09:11	11/05/13 17:39	4165-60-0	
2-Fluorobiphenyl (S)	62	%.	31-94		1	11/01/13 09:11	11/05/13 17:39	321-60-8	
p-Terphenyl-d14 (S)	73	%.	26-110		1	11/01/13 09:11	11/05/13 17:39	1718-51-0	
Phenol-d5 (S)	61	%.	28-101		1	11/01/13 09:11	11/05/13 17:39	4165-62-2	
2-Fluorophenol (S)	70	%.	24-104		1	11/01/13 09:11	11/05/13 17:39	367-12-4	
2,4,6-Tribromophenol (S)	73	%.	16-122		1	11/01/13 09:11	11/05/13 17:39	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.092	0.046	1		11/12/13 01:51	67-64-1	
Acrolein	ND	mg/kg	0.092	0.046	1		11/12/13 01:51	107-02-8	
Benzene	ND	mg/kg	0.0046	0.00092	1		11/12/13 01:51	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	75-27-4	
Bromoform	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	0.011	1		11/12/13 01:51	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	98-06-6	
Carbon disulfide	ND	mg/kg	0.0092	0.0023	1		11/12/13 01:51	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	108-90-7	
Chloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	124-48-1	
Dibromomethane	ND	mg/kg	0.0046	0.0029	1		11/12/13 01:51	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(0-2)-103013D **Lab ID: 5089181002** Collected: 10/30/13 14:00 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.092	0.046	1		11/12/13 01:51	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.092	0.046	1		11/12/13 01:51	97-63-2	
n-Hexane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	110-54-3	N2
2-Hexanone	ND	mg/kg	0.092	0.046	1		11/12/13 01:51	591-78-6	
Iodomethane	ND	mg/kg	0.092	0.046	1		11/12/13 01:51	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0092	1		11/12/13 01:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	0.011	1		11/12/13 01:51	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0013	1		11/12/13 01:51	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	103-65-1	
Styrene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0017	1		11/12/13 01:51	127-18-4	
Toluene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.0016	1		11/12/13 01:51	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	108-67-8	
Vinyl acetate	ND	mg/kg	0.092	0.046	1		11/12/13 01:51	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	0.0023	1		11/12/13 01:51	75-01-4	
Xylene (Total)	ND	mg/kg	0.0092	0.0046	1		11/12/13 01:51	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	97	%.	85-118		1		11/12/13 01:51	1868-53-7	
Toluene-d8 (S)	102	%.	71-128		1		11/12/13 01:51	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(0-2)-103013D **Lab ID: 5089181002** Collected: 10/30/13 14:00 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	94	%.	56-144		1		11/12/13 01:51	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.2**	%	0.10	0.10	1		11/01/13 12:17		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(2-4)-103013 **Lab ID: 5089181003** Collected: 10/30/13 14:06 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**7.8J**	mg/kg	24.0	6.0	1	11/01/13 10:28	11/04/13 10:58		
TPH (C10-C20)	ND	mg/kg	12.0	6.0	1	11/01/13 10:28	11/04/13 10:58		
TPH (C20-C34)	ND	mg/kg	12.0	6.0	1	11/01/13 10:28	11/04/13 10:58		
Surrogates									
n-Pentacosane (S)	82	%.	30-153		1	11/01/13 10:28	11/04/13 10:58	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	119	20.2	1	11/01/13 12:42	11/05/13 14:15	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	119	20.2	1	11/01/13 12:42	11/05/13 14:15	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	119	20.2	1	11/01/13 12:42	11/05/13 14:15	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	119	20.2	1	11/01/13 12:42	11/05/13 14:15	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	119	20.2	1	11/01/13 12:42	11/05/13 14:15	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	119	20.2	1	11/01/13 12:42	11/05/13 14:15	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	119	20.2	1	11/01/13 12:42	11/05/13 14:15	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	61	%.	30-106		1	11/01/13 12:42	11/05/13 14:15	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.87	0.44	1		11/08/13 02:02		
Surrogates									
4-Bromofluorobenzene (S)	101	%.	38-163		1		11/08/13 02:02	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**6210**	mg/kg	52.9	26.4	1	11/02/13 08:38	11/04/13 08:50	7429-90-5	
Antimony	ND	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:50	7440-36-0	UJ
Arsenic	**30.0**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:50	7440-38-2	J
Barium	**24.8**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:50	7440-39-3	
Beryllium	**0.31J**	mg/kg	0.53	0.26	1	11/02/13 08:38	11/04/13 08:50	7440-41-7	
Cadmium	ND	mg/kg	2.1	0.53	1	11/02/13 08:38	11/04/13 08:50	7440-43-9	
Chromium	**9.0**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:50	7440-47-3	
Cobalt	**8.8**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:50	7440-48-4	
Copper	**20.1**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:50	7440-50-8	
Lead	**13.4**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:50	7439-92-1	
Nickel	**20.5**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:50	7440-02-0	
Selenium	ND	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:50	7782-49-2	
Silver	ND	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:50	7440-22-4	
Thallium	ND	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:50	7440-28-0	
Vanadium	**17.5**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:50	7440-62-2	
Zinc	**51.7**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:50	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	0.20	1	11/06/13 11:10	11/07/13 14:05	7439-97-6	

AM 12-4-13

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(2-4)-103013 **Lab ID: 5089181003** Collected: 10/30/13 14:06 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	83-32-9	
Acenaphthylene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	208-96-8	
Anthracene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	204	198	1	11/01/13 09:11	11/05/13 15:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	207-08-9	
Benzyl alcohol	ND	ug/kg	792	396	1	11/01/13 09:11	11/05/13 15:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	101-55-3	
Butylbenzylphthalate	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	792	396	1	11/01/13 09:11	11/05/13 15:39	59-50-7	
4-Chloroaniline	ND	ug/kg	792	396	1	11/01/13 09:11	11/05/13 15:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	108-60-1	
2-Chloronaphthalene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	91-58-7	
2-Chlorophenol	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	7005-72-3	
Chrysene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	204	198	1	11/01/13 09:11	11/05/13 15:39	53-70-3	
Dibenzofuran	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	120-83-2	
Diethylphthalate	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	105-67-9	
Dimethylphthalate	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	131-11-3	
Di-n-butylphthalate	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1920	959	1	11/01/13 09:11	11/05/13 15:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1920	1920	1	11/01/13 09:11	11/05/13 15:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	117-81-7	
Fluoranthene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	206-44-0	
Fluorene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	396	396	1	11/01/13 09:11	11/05/13 15:39	77-47-4	
Hexachloroethane	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	193-39-5	
Isophorone	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	78-59-1	
2-Methylnaphthalene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	792	396	1	11/01/13 09:11	11/05/13 15:39		
Naphthalene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	91-20-3	
2-Nitroaniline	ND	ug/kg	1920	959	1	11/01/13 09:11	11/05/13 15:39	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(2-4)-103013 **Lab ID: 5089181003** Collected: 10/30/13 14:06 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1920	959	1	11/01/13 09:11	11/05/13 15:39	99-09-2	
4-Nitroaniline	ND	ug/kg	1920	959	1	11/01/13 09:11	11/05/13 15:39	100-01-6	
Nitrobenzene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	98-95-3	
2-Nitrophenol	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	88-75-5	
4-Nitrophenol	ND	ug/kg	1920	959	1	11/01/13 09:11	11/05/13 15:39	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	86-30-6	
Phenanthrene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	85-01-8	
Phenol	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	108-95-2	
Pyrene	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	396	198	1	11/01/13 09:11	11/05/13 15:39	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	70	%.	28-101		1	11/01/13 09:11	11/05/13 15:39	4165-60-0	
2-Fluorobiphenyl (S)	63	%.	31-94		1	11/01/13 09:11	11/05/13 15:39	321-60-8	
p-Terphenyl-d14 (S)	84	%.	26-110		1	11/01/13 09:11	11/05/13 15:39	1718-51-0	
Phenol-d5 (S)	66	%.	28-101		1	11/01/13 09:11	11/05/13 15:39	4165-62-2	
2-Fluorophenol (S)	74	%.	24-104		1	11/01/13 09:11	11/05/13 15:39	367-12-4	
2,4,6-Tribromophenol (S)	82	%.	16-122		1	11/01/13 09:11	11/05/13 15:39	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.092	0.046	1		11/11/13 14:12	67-64-1	
Acrolein	ND	mg/kg	0.092	0.046	1		11/11/13 14:12	107-02-8	
Benzene	ND	mg/kg	0.0046	0.00092	1		11/11/13 14:12	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	75-27-4	
Bromoform	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	0.011	1		11/11/13 14:12	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	98-06-6	
Carbon disulfide	ND	mg/kg	0.0092	0.0023	1		11/11/13 14:12	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	108-90-7	
Chloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	124-48-1	
Dibromomethane	ND	mg/kg	0.0046	0.0029	1		11/11/13 14:12	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(2-4)-103013 **Lab ID: 5089181003** Collected: 10/30/13 14:06 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.092	0.046	1		11/11/13 14:12	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.092	0.046	1		11/11/13 14:12	97-63-2	
n-Hexane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	110-54-3	N2
2-Hexanone	ND	mg/kg	0.092	0.046	1		11/11/13 14:12	591-78-6	
Iodomethane	ND	mg/kg	0.092	0.046	1		11/11/13 14:12	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0092	1		11/11/13 14:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	0.011	1		11/11/13 14:12	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0013	1		11/11/13 14:12	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	103-65-1	
Styrene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0017	1		11/11/13 14:12	127-18-4	
Toluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.0016	1		11/11/13 14:12	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	108-67-8	
Vinyl acetate	ND	mg/kg	0.092	0.046	1		11/11/13 14:12	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	0.0023	1		11/11/13 14:12	75-01-4	
Xylene (Total)	ND	mg/kg	0.0092	0.0046	1		11/11/13 14:12	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	91	%.	85-118		1		11/11/13 14:12	1868-53-7	
Toluene-d8 (S)	103	%.	71-128		1		11/11/13 14:12	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(2-4)-103013 **Lab ID: 5089181003** Collected: 10/30/13 14:06 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	95	%.	56-144		1		11/11/13 14:12	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.6**	%	0.10	0.10	1		11/01/13 12:17		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(27-29)-103013 **Lab ID: 5089181004** Collected: 10/30/13 15:22 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	ND	mg/kg	24.3	6.1	1	11/01/13 10:28	11/04/13 11:18		
TPH (C10-C20)	ND	mg/kg	12.1	6.1	1	11/01/13 10:28	11/04/13 11:18		
TPH (C20-C34)	ND	mg/kg	12.1	6.1	1	11/01/13 10:28	11/04/13 11:18		
Surrogates									
n-Pentacosane (S)	49	%.	30-153		1	11/01/13 10:28	11/04/13 11:18	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	120	59.8	1	11/01/13 12:42	11/05/13 14:33	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	120	59.8	1	11/01/13 12:42	11/05/13 14:33	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	120	59.8	1	11/01/13 12:42	11/05/13 14:33	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	120	59.8	1	11/01/13 12:42	11/05/13 14:33	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	120	59.8	1	11/01/13 12:42	11/05/13 14:33	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	120	59.8	1	11/01/13 12:42	11/05/13 14:33	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	120	59.8	1	11/01/13 12:42	11/05/13 14:33	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	51	%.	30-106		1	11/01/13 12:42	11/05/13 14:33	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.1	0.53	1		11/08/13 03:16		
Surrogates									
4-Bromofluorobenzene (S)	96	%.	38-163		1		11/08/13 03:16	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**3430**	mg/kg	57.7	28.9	1	11/02/13 08:38	11/04/13 09:05	7429-90-5	
Antimony	ND	mg/kg	2.3	1.2	1	11/02/13 08:38	11/04/13 09:05	7440-36-0	
Arsenic	**8.0**	mg/kg	2.3	1.2	1	11/02/13 08:38	11/04/13 09:05	7440-38-2	
Barium	**13.5**	mg/kg	2.3	1.2	1	11/02/13 08:38	11/04/13 09:05	7440-39-3	
Beryllium	ND	mg/kg	0.58	0.29	1	11/02/13 08:38	11/04/13 09:05	7440-41-7	
Cadmium	ND	mg/kg	2.3	0.58	1	11/02/13 08:38	11/04/13 09:05	7440-43-9	
Chromium	**5.4**	mg/kg	2.3	1.2	1	11/02/13 08:38	11/04/13 09:05	7440-47-3	
Cobalt	**4.4**	mg/kg	2.3	1.2	1	11/02/13 08:38	11/04/13 09:05	7440-48-4	
Copper	**11.2**	mg/kg	2.3	1.2	1	11/02/13 08:38	11/04/13 09:05	7440-50-8	
Lead	**5.5**	mg/kg	2.3	1.2	1	11/02/13 08:38	11/04/13 09:05	7439-92-1	
Nickel	**12.0**	mg/kg	2.3	1.2	1	11/02/13 08:38	11/04/13 09:05	7440-02-0	
Selenium	ND	mg/kg	2.3	1.2	1	11/02/13 08:38	11/04/13 09:05	7782-49-2	
Silver	ND	mg/kg	2.3	1.2	1	11/02/13 08:38	11/04/13 09:05	7440-22-4	
Thallium	ND	mg/kg	2.3	1.2	1	11/02/13 08:38	11/04/13 09:05	7440-28-0	
Vanadium	**9.9**	mg/kg	2.3	1.2	1	11/02/13 08:38	11/04/13 09:05	7440-62-2	
Zinc	**37.7**	mg/kg	2.3	1.2	1	11/02/13 08:38	11/04/13 09:05	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	0.20	1	11/06/13 11:10	11/07/13 14:11	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(27-29)-103013 **Lab ID: 5089181004** Collected: 10/30/13 15:22 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	83-32-9	
Acenaphthylene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	208-96-8	
Anthracene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	120-12-7	
Benzo(a)anthracene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	56-55-3	
Benzo(a)pyrene	ND	ug/kg	203	197	1	11/01/13 09:11	11/05/13 17:59	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	207-08-9	
Benzyl alcohol	ND	ug/kg	790	395	1	11/01/13 09:11	11/05/13 17:59	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	101-55-3	
Butylbenzylphthalate	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	790	395	1	11/01/13 09:11	11/05/13 17:59	59-50-7	
4-Chloroaniline	ND	ug/kg	790	395	1	11/01/13 09:11	11/05/13 17:59	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	108-60-1	
2-Chloronaphthalene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	91-58-7	
2-Chlorophenol	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	7005-72-3	
Chrysene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	203	197	1	11/01/13 09:11	11/05/13 17:59	53-70-3	
Dibenzofuran	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	120-83-2	
Diethylphthalate	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	105-67-9	
Dimethylphthalate	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	131-11-3	
Di-n-butylphthalate	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1910	957	1	11/01/13 09:11	11/05/13 17:59	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1910	1910	1	11/01/13 09:11	11/05/13 17:59	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	606-20-2	
Di-n-octylphthalate	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	117-81-7	
Fluoranthene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	206-44-0	
Fluorene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	395	395	1	11/01/13 09:11	11/05/13 17:59	77-47-4	
Hexachloroethane	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	193-39-5	
Isophorone	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	78-59-1	
2-Methylnaphthalene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	790	395	1	11/01/13 09:11	11/05/13 17:59		
Naphthalene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	91-20-3	
2-Nitroaniline	ND	ug/kg	1910	957	1	11/01/13 09:11	11/05/13 17:59	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(27-29)-103013 **Lab ID: 5089181004** Collected: 10/30/13 15:22 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1910	957	1	11/01/13 09:11	11/05/13 17:59	99-09-2	
4-Nitroaniline	ND	ug/kg	1910	957	1	11/01/13 09:11	11/05/13 17:59	100-01-6	
Nitrobenzene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	98-95-3	
2-Nitrophenol	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	88-75-5	
4-Nitrophenol	ND	ug/kg	1910	957	1	11/01/13 09:11	11/05/13 17:59	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	86-30-6	
Phenanthrene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	85-01-8	
Phenol	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	108-95-2	
Pyrene	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	395	197	1	11/01/13 09:11	11/05/13 17:59	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	66	%.	28-101		1	11/01/13 09:11	11/05/13 17:59	4165-60-0	
2-Fluorobiphenyl (S)	60	%.	31-94		1	11/01/13 09:11	11/05/13 17:59	321-60-8	
p-Terphenyl-d14 (S)	69	%.	26-110		1	11/01/13 09:11	11/05/13 17:59	1718-51-0	
Phenol-d5 (S)	66	%.	28-101		1	11/01/13 09:11	11/05/13 17:59	4165-62-2	
2-Fluorophenol (S)	82	%.	24-104		1	11/01/13 09:11	11/05/13 17:59	367-12-4	
2,4,6-Tribromophenol (S)	93	%.	16-122		1	11/01/13 09:11	11/05/13 17:59	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.091	0.046	1		11/11/13 15:53	67-64-1	
Acrolein	ND	mg/kg	0.091	0.046	1		11/11/13 15:53	107-02-8	
Benzene	ND	mg/kg	0.0046	0.00091	1		11/11/13 15:53	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	75-27-4	
Bromoform	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	0.011	1		11/11/13 15:53	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	98-06-6	
Carbon disulfide	ND	mg/kg	0.0091	0.0023	1		11/11/13 15:53	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	108-90-7	
Chloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	124-48-1	
Dibromomethane	ND	mg/kg	0.0046	0.0029	1		11/11/13 15:53	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(27-29)-103013 **Lab ID: 5089181004** Collected: 10/30/13 15:22 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.091	0.046	1		11/11/13 15:53	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.091	0.046	1		11/11/13 15:53	97-63-2	
n-Hexane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	110-54-3	N2
2-Hexanone	ND	mg/kg	0.091	0.046	1		11/11/13 15:53	591-78-6	
Iodomethane	ND	mg/kg	0.091	0.046	1		11/11/13 15:53	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0091	1		11/11/13 15:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	0.011	1		11/11/13 15:53	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0013	1		11/11/13 15:53	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	103-65-1	
Styrene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0017	1		11/11/13 15:53	127-18-4	
Toluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.0016	1		11/11/13 15:53	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	108-67-8	
Vinyl acetate	ND	mg/kg	0.091	0.046	1		11/11/13 15:53	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	0.0023	1		11/11/13 15:53	75-01-4	
Xylene (Total)	ND	mg/kg	0.0091	0.0046	1		11/11/13 15:53	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	93	%.	85-118		1		11/11/13 15:53	1868-53-7	
Toluene-d8 (S)	114	%.	71-128		1		11/11/13 15:53	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(27-29)-103013 **Lab ID: 5089181004** Collected: 10/30/13 15:22 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	87	%.	56-144		1		11/11/13 15:53	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.5**	%	0.10	0.10	1		11/01/13 12:17		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(8-10)-103013 **Lab ID: 5089181005** Collected: 10/30/13 14:25 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**65.5**	mg/kg	22.9	5.7	1	11/01/13 10:28	11/04/13 11:24		
TPH (C10-C20)	**26.0**	mg/kg	11.5	5.7	1	11/01/13 10:28	11/04/13 11:24		
TPH (C20-C34)	**39.6**	mg/kg	11.5	5.7	1	11/01/13 10:28	11/04/13 11:24		
Surrogates									
n-Pentacosane (S)	120	%.	30-153		1	11/01/13 10:28	11/04/13 11:24	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	115	57.5	1	11/01/13 12:42	11/06/13 13:51	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	115	57.5	1	11/01/13 12:42	11/06/13 13:51	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	115	57.5	1	11/01/13 12:42	11/06/13 13:51	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	115	57.5	1	11/01/13 12:42	11/06/13 13:51	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	115	57.5	1	11/01/13 12:42	11/06/13 13:51	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	115	57.5	1	11/01/13 12:42	11/06/13 13:51	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	115	57.5	1	11/01/13 12:42	11/06/13 13:51	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	59	%.	30-106		1	11/01/13 12:42	11/06/13 13:51	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.1	0.56	1		11/08/13 03:41		
Surrogates									
4-Bromofluorobenzene (S)	97	%.	38-163		1		11/08/13 03:41	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**8250**	mg/kg	56.6	28.3	1	11/02/13 08:38	11/04/13 09:07	7429-90-5	
Antimony	ND	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 09:07	7440-36-0	
Arsenic	**14.9**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 09:07	7440-38-2	
Barium	**77.3**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 09:07	7440-39-3	
Beryllium	**1.3**	mg/kg	0.57	0.28	1	11/02/13 08:38	11/04/13 09:07	7440-41-7	
Cadmium	ND	mg/kg	2.3	0.57	1	11/02/13 08:38	11/04/13 09:07	7440-43-9	
Chromium	**8.8**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 09:07	7440-47-3	
Cobalt	**5.7**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 09:07	7440-48-4	
Copper	**30.7**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 09:07	7440-50-8	
Lead	**58.6**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 09:07	7439-92-1	
Nickel	**17.0**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 09:07	7440-02-0	
Selenium	ND	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 09:07	7782-49-2	
Silver	ND	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 09:07	7440-22-4	
Thallium	ND	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 09:07	7440-28-0	
Vanadium	**21.8**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 09:07	7440-62-2	
Zinc	**61.5**	mg/kg	2.3	1.1	1	11/02/13 08:38	11/04/13 09:07	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	0.20	1	11/06/13 11:10	11/07/13 14:13	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(8-10)-103013 **Lab ID: 5089181005** Collected: 10/30/13 14:25 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	83-32-9	
Acenaphthylene	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	208-96-8	
Anthracene	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	120-12-7	
Benzo(a)anthracene	**331J**	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	56-55-3	
Benzo(a)pyrene	**259**	ug/kg	195	189	1	11/01/13 09:11	11/05/13 17:19	50-32-8	
Benzo(b)fluoranthene	**302J**	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	191-24-2	
Benzo(k)fluoranthene	**250J**	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	207-08-9	
Benzyl alcohol	ND	ug/kg	757	378	1	11/01/13 09:11	11/05/13 17:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	101-55-3	
Butylbenzylphthalate	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	757	378	1	11/01/13 09:11	11/05/13 17:19	59-50-7	
4-Chloroaniline	ND	ug/kg	757	378	1	11/01/13 09:11	11/05/13 17:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	108-60-1	
2-Chloronaphthalene	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	91-58-7	
2-Chlorophenol	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	7005-72-3	
Chrysene	**325J**	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	195	189	1	11/01/13 09:11	11/05/13 17:19	53-70-3	
Dibenzofuran	**234J**	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	120-83-2	
Diethylphthalate	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	105-67-9	
Dimethylphthalate	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	131-11-3	
Di-n-butylphthalate	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1830	917	1	11/01/13 09:11	11/05/13 17:19	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1830	1830	1	11/01/13 09:11	11/05/13 17:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	606-20-2	
Di-n-octylphthalate	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	117-81-7	
Fluoranthene	**651**	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	206-44-0	
Fluorene	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	378	378	1	11/01/13 09:11	11/05/13 17:19	77-47-4	
Hexachloroethane	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	193-39-5	
Isophorone	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	78-59-1	
2-Methylnaphthalene	**1190**	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	757	378	1	11/01/13 09:11	11/05/13 17:19		
Naphthalene	**880**	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	91-20-3	
2-Nitroaniline	ND	ug/kg	1830	917	1	11/01/13 09:11	11/05/13 17:19	88-74-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(8-10)-103013 **Lab ID: 5089181005** Collected: 10/30/13 14:25 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1830	917	1	11/01/13 09:11	11/05/13 17:19	99-09-2	
4-Nitroaniline	ND	ug/kg	1830	917	1	11/01/13 09:11	11/05/13 17:19	100-01-6	
Nitrobenzene	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	98-95-3	
2-Nitrophenol	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	88-75-5	
4-Nitrophenol	ND	ug/kg	1830	917	1	11/01/13 09:11	11/05/13 17:19	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	86-30-6	
Phenanthrene	**946**	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	85-01-8	
Phenol	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	108-95-2	
Pyrene	**581**	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	378	189	1	11/01/13 09:11	11/05/13 17:19	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%.	28-101		1	11/01/13 09:11	11/05/13 17:19	4165-60-0	
2-Fluorobiphenyl (S)	86	%.	31-94		1	11/01/13 09:11	11/05/13 17:19	321-60-8	
p-Terphenyl-d14 (S)	94	%.	26-110		1	11/01/13 09:11	11/05/13 17:19	1718-51-0	
Phenol-d5 (S)	67	%.	28-101		1	11/01/13 09:11	11/05/13 17:19	4165-62-2	
2-Fluorophenol (S)	73	%.	24-104		1	11/01/13 09:11	11/05/13 17:19	367-12-4	
2,4,6-Tribromophenol (S)	79	%.	16-122		1	11/01/13 09:11	11/05/13 17:19	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.12	0.061	1		11/12/13 21:11	67-64-1	
Acrolein	ND	mg/kg	0.12	0.061	1		11/12/13 21:11	107-02-8	
Benzene	ND	mg/kg	0.0061	0.0012	1		11/12/13 21:11	71-43-2	
Bromobenzene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	108-86-1	
Bromochloromethane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	75-27-4	
Bromoform	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	75-25-2	
Bromomethane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.030	0.015	1		11/12/13 21:11	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	98-06-6	
Carbon disulfide	ND	mg/kg	0.012	0.0030	1		11/12/13 21:11	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	56-23-5	
Chlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	108-90-7	
Chloroethane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	75-00-3	
Chloroform	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	67-66-3	
Chloromethane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	124-48-1	
Dibromomethane	ND	mg/kg	0.0061	0.0039	1		11/12/13 21:11	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(8-10)-103013 **Lab ID: 5089181005** Collected: 10/30/13 14:25 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.12	0.061	1		11/12/13 21:11	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.12	0.061	1		11/12/13 21:11	97-63-2	
n-Hexane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	110-54-3	N2
2-Hexanone	ND	mg/kg	0.12	0.061	1		11/12/13 21:11	591-78-6	
Iodomethane	ND	mg/kg	0.12	0.061	1		11/12/13 21:11	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	99-87-6	
Methylene Chloride	ND	mg/kg	0.024	0.012	1		11/12/13 21:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.030	0.015	1		11/12/13 21:11	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0061	0.0017	1		11/12/13 21:11	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	103-65-1	
Styrene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0061	0.0023	1		11/12/13 21:11	127-18-4	
Toluene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	79-00-5	
Trichloroethene	ND	mg/kg	0.0061	0.0021	1		11/12/13 21:11	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	108-67-8	
Vinyl acetate	ND	mg/kg	0.12	0.061	1		11/12/13 21:11	108-05-4	
Vinyl chloride	ND	mg/kg	0.0061	0.0030	1		11/12/13 21:11	75-01-4	
Xylene (Total)	ND	mg/kg	0.012	0.0061	1		11/12/13 21:11	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	94	%.	85-118		1		11/12/13 21:11	1868-53-7	
Toluene-d8 (S)	103	%.	71-128		1		11/12/13 21:11	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-SB02(8-10)-103013 **Lab ID: 5089181005** Collected: 10/30/13 14:25 Received: 10/31/13 10:16 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	94	%.	56-144		1		11/12/13 21:11	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.1**	%	0.10	0.10	1		11/01/13 12:17		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-TB06-103013 **Lab ID: 5089181006** Collected: 10/30/13 14:25 Received: 10/31/13 10:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:04	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:04	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:04	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:04	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:04	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/08/13 19:04	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 19:04	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 19:04	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 19:04	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/08/13 19:04	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/08/13 19:04	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/08/13 19:04	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/08/13 19:04	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/08/13 19:04	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/08/13 19:04	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 19:04	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/08/13 19:04	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/08/13 19:04	75-25-2	
Bromomethane	ND	ug/L	5.0	3.9	1		11/08/13 19:04	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/08/13 19:04	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/08/13 19:04	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:04	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/08/13 19:04	67-66-3	
Chloromethane	ND	ug/L	5.0	3.0	1		11/08/13 19:04	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 19:04	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.7	1		11/08/13 19:04	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 19:04	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/08/13 19:04	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	100-41-4	
Iodomethane	ND	ug/L	10.0	5.3	1		11/08/13 19:04	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/08/13 19:04	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/08/13 19:04	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/08/13 19:04	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

Sample: FAW-TB06-103013 **Lab ID: 5089181006** Collected: 10/30/13 14:25 Received: 10/31/13 10:16 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.4	1		11/08/13 19:04	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.1	1		11/08/13 19:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 19:04	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/08/13 19:04	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.2	1		11/08/13 19:04	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/08/13 19:04	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/08/13 19:04	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 19:04	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/08/13 19:04	110-57-6	
Surrogates									
Dibromofluoromethane (S)	109	%.	79-116		1		11/08/13 19:04	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114		1		11/08/13 19:04	460-00-4	
Toluene-d8 (S)	94	%.	81-110		1		11/08/13 19:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089181

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	RPD value is outside control limits for multiple compounds. DAE 11/12/13
2d	Several compounds are outside of acceptance limits for percent recovery and/or RPD value. aa 11/12/13
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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FORMER FULTON AUTO WRECKING PROPERTY
CLEVELAND, CUYAHOGA COUNTY, OHIO
DATA VALIDATION REPORT

Date: December 5, 2013
Laboratory: Pace Analytical Services, Inc. (Pace), Indianapolis, Indiana
Laboratory Project #: 5089243, 5089269, and 5089270
Data Validation Performed By: Lisa Graczyk, Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START)
Weston Work Order #: 20405.012.008.2234.00

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for 22 soil samples plus 2 trip blanks and 1 equipment blank collected for the Former Fulton Auto Wrecking Property (Fulton) Site that were analyzed for the following parameters and U.S. Environmental Protection Agency methods:

- Volatile Organic Compounds (VOC) by SW-846 Method 8260
- Semivolatile Organic Carbons (SVOC) by SW-846 Method 8270
- Polychlorinated Biphenyls (PCB) by SW-846 Method 8082
- Total Petroleum Hydrocarbons (TPH) by SW-846 Method 8015
- Metals by SW-846 Methods 6010 and 7471
- pH by SW-846 Method 9045

A level II data package was requested from Pace. The data validation was conducted in general accordance with the EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated June 2008 and "Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review" dated January 2010. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089243, 5089269, and 5089270

VOCs BY SW-846 METHOD 8260

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-TB08-103113	5089243001	Water	10/31/2013	11/8/2013
FAW-SB03(0-2)-103113	5089243002	Soil	10/31/2013	11/11/2013
FAW-SB03(2-4)-103113	5089243003	Soil	10/31/2013	11/11/2013
FAW-SB03(4-6)-103113	5089243004	Soil	10/31/2013	11/11/2013
FAW-SB11(2-4)-103113	5089243009	Soil	10/31/2013	11/11/2013
FAW-SB10(0-2)-103113	5089243011	Soil	10/31/2013	11/11/2013
FAW-SB05(6-8)-103113EB	5089269001	Water	10/31/2013	11/12/2013
FAW-TB07-103113	5089270002	Water	10/31/2013	11/12/2013
FAW-SB05(6-8)-103113	5089270007	Soil	10/31/2013	11/12/2013
FAW-SB12(0-2)-103113	5089270008	Soil	10/31/2013	11/12/2013
FAW-SB12(2-4)-103113	5089270009	Soil	10/31/2013	11/12/2013
FAW-SB12(4-6)-103113	5089270010	Soil	10/31/2013	11/14/2013
FAW-SB10(4-6)-103113	5089270012	Soil	10/31/2013	11/12/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection.

3. Blanks

Method blanks, trip blanks, and an equipment blank were analyzed with the VOC analyses. The blanks were free of target analytes above the reporting limits. Methylene chloride was detected one of the blanks below the reporting limit. Because methylene chloride was not detected in the samples, no qualifications are required.

4. Surrogate Results

The surrogate recovery results were within the laboratory-established quality control (QC) limits except for as follows. In a couple of samples one or two of the three surrogates were detected slightly outside QC limits. No qualifications were necessary.

5. Laboratory Control Sample (LCS) Results

The LCS recoveries were within laboratory QC limits except for as follows.

In the LCS associated with the equipment blank samples, bromomethane was detected high. Because bromomethane was not detected in the equipment blank, no qualifications were required.

6. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

A site-specific MS and MSD were not analyzed. No qualifications were required.

7. Field Duplicate Results

There are no field duplicates associated with these work orders.

8. Overall Assessment

Pace flagged some VOC results with a "J" to indicate that they were detected below the reporting limits. These flags are accepted and this data should be considered estimated.

The VOC data are acceptable for use as qualified based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089243, 5089269, and 5089270

SVOCs BY SW-846 METHOD 8270

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Latest Date Analyzed
FAW-SB03(0-2)-103113	5089243002	Soil	10/31/2013	11/1/2013	11/12/2013
FAW-SB03(2-4)-103113	5089243003	Soil	10/31/2013	11/1/2013	11/12/2013
FAW-SB03(4-6)-103113	5089243004	Soil	10/31/2013	11/1/2013	11/12/2013
FAW-SB07(0-2)-103113	5089243005	Soil	10/31/2013	11/1/2013	11/12/2013
FAW-SB07(2-4)-103113	5089243006	Soil	10/31/2013	11/1/2013	11/12/2013
FAW-SB07(8-10)-103113	5089243007	Soil	10/31/2013	11/1/2013	11/12/2013
FAW-SB11(0-2)-103113	5089243008	Soil	10/31/2013	11/1/2013	11/12/2013
FAW-SB11(2-4)-103113	5089243009	Soil	10/31/2013	11/1/2013	11/12/2013
FAW-SB11(8-10)-103113	5089243010	Soil	10/31/2013	11/1/2013	11/13/2013
FAW-SB10(0-2)-103113	5089243011	Soil	10/31/2013	11/1/2013	11/13/2013
FAW-SB05(6-8)-103113EB	5089269001	Water	10/31/2013	11/4/2013	11/5/2013
FAW-SB04(0-2)-103113	5089270001	Soil	10/31/2013	11/4/2013	11/14/2013
FAW-SB04(2-4)-103113	5089270003	Soil	10/31/2013	11/4/2013	11/13/2013
FAW-SB04(8-10)-103113	5089270004	Soil	10/31/2013	11/4/2013	11/13/2013
FAW-SB05(0-2)-103113	5089270005	Soil	10/31/2013	11/4/2013	11/13/2013
FAW-SB05(2-4)-103113	5089270006	Soil	10/31/2013	11/4/2013	11/13/2013
FAW-SB05(6-8)-103113	5089270007	Soil	10/31/2013	11/4/2013	11/13/2013
FAW-SB12(0-2)-103113	5089270008	Soil	10/31/2013	11/4/2013	11/13/2013
FAW-SB12(2-4)-103113	5089270009	Soil	10/31/2013	11/4/2013	11/13/2013
FAW-SB12(4-6)-103113	5089270010	Soil	10/31/2013	11/4/2013	11/13/2013
FAW-SB10(2-4)-103113	5089270011	Soil	10/31/2013	11/4/2013	11/13/2013
FAW-SB10(4-6)-103113	5089270012	Soil	10/31/2013	11/4/2013	11/13/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction (7 days for water) and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the SVOC analyses. The method blanks were free of target compound contamination above the reporting limits.

4. Surrogate Results

The surrogate recoveries were within the laboratory-established QC limits except for as follows.

In a couple of the samples, one of the surrogates was outside QC limits. No qualifications are required for one surrogate being outside QC limits.

In sample FAW-SB05(0-2)-103113, the surrogates were not adequately recovered due to sample dilution. No qualifications are required in these instances.

5. LCS Results

The percent recoveries for the LCS results were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed using sample FAW-SB07(0-2)-103113 as the spiked sample. The percent recoveries and relative percent differences (RPD) were with QC limits except for as follows.

In several instances, the sample concentration was more than four times the spike amount. In these instances, no qualification is required.

The following compounds were detected low in the MS and/or MSD: 2-Methylnaphthalene; Dibenz(a,h)anthracene; and Naphthalene. In sample FAW-SB07(0-2)-103113 , the results for these compounds were flagged "J" as estimated due to potential matrix interference.

7. Field Duplicate Results

There are no field duplicates associated with these work orders.

8. Overall Assessment

Several SVOC results were flagged "J" by the laboratory to indicate that the result is below the reporting limit. These results should be considered estimated.

The SVOC data are acceptable for use as qualified based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089243, 5089269, and 5089270

PCBs BY U.S. EPA SW-846 METHOD 8082

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
FAW-SB03(0-2)-103113	5089243002	Soil	10/31/2013	11/1/2013	11/6/2013
FAW-SB03(2-4)-103113	5089243003	Soil	10/31/2013	11/1/2013	11/6/2013
FAW-SB03(4-6)-103113	5089243004	Soil	10/31/2013	11/1/2013	11/5/2013
FAW-SB07(0-2)-103113	5089243005	Soil	10/31/2013	11/1/2013	11/5/2013
FAW-SB07(2-4)-103113	5089243006	Soil	10/31/2013	11/1/2013	11/6/2013
FAW-SB07(8-10)-103113	5089243007	Soil	10/31/2013	11/1/2013	11/5/2013
FAW-SB11(0-2)-103113	5089243008	Soil	10/31/2013	11/1/2013	11/5/2013
FAW-SB11(2-4)-103113	5089243009	Soil	10/31/2013	11/1/2013	11/6/2013
FAW-SB11(8-10)-103113	5089243010	Soil	10/31/2013	11/1/2013	11/5/2013
FAW-SB10(0-2)-103113	5089243011	Soil	10/31/2013	11/1/2013	11/7/2013
FAW-SB05(6-8)-103113EB	5089269001	Water	10/31/2013	11/5/2013	11/5/2013
FAW-SB04(0-2)-103113	5089270001	Soil	10/31/2013	11/4/2013	11/5/2013
FAW-SB04(2-4)-103113	5089270003	Soil	10/31/2013	11/4/2013	11/5/2013
FAW-SB04(8-10)-103113	5089270004	Soil	10/31/2013	11/4/2013	11/5/2013
FAW-SB05(0-2)-103113	5089270005	Soil	10/31/2013	11/4/2013	11/5/2013
FAW-SB05(2-4)-103113	5089270006	Soil	10/31/2013	11/4/2013	11/5/2013
FAW-SB05(6-8)-103113	5089270007	Soil	10/31/2013	11/4/2013	11/5/2013
FAW-SB12(0-2)-103113	5089270008	Soil	10/31/2013	11/4/2013	11/7/2013
FAW-SB12(2-4)-103113	5089270009	Soil	10/31/2013	11/4/2013	11/5/2013
FAW-SB12(4-6)-103113	5089270010	Soil	10/31/2013	11/4/2013	11/5/2013
FAW-SB10(2-4)-103113	5089270011	Soil	10/31/2013	11/4/2013	11/7/2013
FAW-SB10(4-6)-103113	5089270012	Soil	10/31/2013	11/4/2013	11/7/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction (7 days for water) and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the PCB analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits except for as follows. In some of the samples, the surrogates were not adequately recovered due to sample dilution. No qualifications are required in these instances.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed. The percent recoveries and RPDs were with QC limits.

7. Field Duplicate Results

There are no field duplicates associated with these work orders.

8. Overall Assessment

The PCB data are acceptable for use based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089243, 5089269, and 5089270

TPH BY SW-846 METHOD 8015

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
FAW-SB03(0-2)-103113	5089243002	Soil	10/31/2013	11/1/2013	11/4/2013 – 11/7/2013
FAW-SB03(2-4)-103113	5089243003	Soil	10/31/2013	11/1/2013	11/4/2013 – 11/7/2013
FAW-SB03(4-6)-103113	5089243004	Soil	10/31/2013	11/1/2013	11/4/2013 – 11/7/2013
FAW-SB07(0-2)-103113	5089243005	Soil	10/31/2013	11/1/2013	11/4/2013
FAW-SB07(2-4)-103113	5089243006	Soil	10/31/2013	11/1/2013	11/4/2013
FAW-SB07(8-10)-103113	5089243007	Soil	10/31/2013	11/1/2013	11/4/2013
FAW-SB11(0-2)-103113	5089243008	Soil	10/31/2013	11/1/2013	11/4/2013
FAW-SB11(2-4)-103113	5089243009	Soil	10/31/2013	11/1/2013	11/4/2013 – 11/7/2013
FAW-SB11(8-10)-103113	5089243010	Soil	10/31/2013	11/1/2013	11/4/2013
FAW-SB10(0-2)-103113	5089243011	Soil	10/31/2013	11/1/2013	11/4/2013 – 11/7/2013
FAW-SB04(0-2)-103113	5089270001	Soil	10/31/2013	11/4/2013	11/5/2013
FAW-SB04(2-4)-103113	5089270003	Soil	10/31/2013	11/4/2013	11/5/2013
FAW-SB04(8-10)-103113	5089270004	Soil	10/31/2013	11/4/2013	11/5/2013
FAW-SB05(0-2)-103113	5089270005	Soil	10/31/2013	11/4/2013	11/5/2013
FAW-SB05(2-4)-103113	5089270006	Soil	10/31/2013	11/4/2013	11/5/2013
FAW-SB05(6-8)-103113	5089270007	Soil	10/31/2013	11/4/2013	11/5/2013 – 11/8/2013
FAW-SB12(0-2)-103113	5089270008	Soil	10/31/2013	11/4/2013	11/5/2013 – 11/8/2013
FAW-SB12(2-4)-103113	5089270009	Soil	10/31/2013	11/4/2013	11/5/2013 – 11/8/2013
FAW-SB12(4-6)-103113	5089270010	Soil	10/31/2013	11/4/2013	11/5/2013 – 11/8/2013
FAW-SB10(2-4)-103113	5089270011	Soil	10/31/2013	11/4/2013	11/5/2013
FAW-SB10(4-6)-103113	5089270012	Soil	10/31/2013	11/4/2013	11/5/2013 – 11/8/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis for TPH, TPH (C10-20) and TPH (C20-C34); and 14 days from sample collection to analysis for gasoline range organics (GRO).

3. Blanks

Method blanks were analyzed with the TPH analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits except for as follows.

In many instances, Pace did not evaluate the surrogate recoveries due to sample dilution. No qualifications are warranted in these instances.

The detected TPH results for TPH, TPH (C10-C20) and TPH (C20-C34) were flagged "J" as estimated in the following sample because the surrogate recovery was high: FAW-SB03(4-6)103113.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed using sample FAW-SB03(0-2)-103113 as the spiked sample for the TPH, TPH (C10-C20), and TPH (C20-C34). The MS recovery was low but the MSD recovery was within QC limits. Because the low recovery indicates a low bias, no qualifications were required for detected results. The quantitation limit for TPH (C10-C20) was flagged "UJ" as estimated due to potential matrix interference.

7. Field Duplicate Results

There are no field duplicates associated with these work orders.

8. Overall Assessment

Some TPH results were flagged "J" by the laboratory to indicate that the result is below the reporting limit. These results should be considered estimated.

The TPH data are acceptable for use based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089243, 5089269, and 5089270

TOTAL METALS BY SW-846 METHODS 6010 AND 7471

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-SB03(0-2)-103113	5089243002	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB03(2-4)-103113	5089243003	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB03(4-6)-103113	5089243004	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB07(0-2)-103113	5089243005	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB07(2-4)-103113	5089243006	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB07(8-10)-103113	5089243007	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB11(0-2)-103113	5089243008	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB11(2-4)-103113	5089243009	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB11(8-10)-103113	5089243010	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB10(0-2)-103113	5089243011	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB05(6-8)-103113EB	5089269001	Water	10/31/2013	11/6/2013
FAW-SB04(0-2)-103113	5089270001	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB04(2-4)-103113	5089270003	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB04(8-10)-103113	5089270004	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB05(0-2)-103113	5089270005	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB05(2-4)-103113	5089270006	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB05(6-8)-103113	5089270007	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB12(0-2)-103113	5089270008	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB12(2-4)-103113	5089270009	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB12(4-6)-103113	5089270010	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB10(2-4)-103113	5089270011	Soil	10/31/2013	11/5/2013 – 11/7/2013
FAW-SB10(4-6)-103113	5089270012	Soil	10/31/2013	11/5/2013 – 11/7/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 28 days from sample collection to analysis for mercury and 180 days from sample collection to analysis for all other metals.

3. Blank Results

Method blanks were analyzed with the metals analysis. The blanks were free of target analyte contamination above the reporting limits. TCLP barium was detected below the reporting limit in the method blank; however, TCLP barium was not detected in the samples and no qualifications are required.

4. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

5. MS and MSD Results

A site-specific MS and MSD were analyzed using sample FAW-SB04(0-2)-103113 as the spiked sample. The percent recoveries and RPDs were within QC limits except for as follows.

In several instances, the sample concentration was more than four times the spike amount. In these instances, no qualification is required.

The following metals were detected low in the MS and/or MSD: antimony, nickel, and thallium. In sample FAW-SB04(0-2)-103113, the results for these metals were flagged "J" as estimated due to potential matrix interference.

6. Field Duplicate Results

There are no field duplicates associated with these work orders.

7. Overall Assessment

The laboratory flagged some metals results with a "J" to indicate that the result was detected below the reporting limit. These results should be considered estimated.

The metals data are acceptable for use as qualified based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089243, 5089269, and 5089270

GENERAL CHEMISTRY PARAMETERS (pH by SW-846 Method 9045)

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-SB03(0-2)-103113	5089243002	Soil	10/31/2013	11/4/2013
FAW-SB07(0-2)-103113	5089243005	Soil	10/31/2013	11/4/2013
FAW-SB11(2-4)-103113	5089243009	Soil	10/31/2013	11/4/2013
FAW-SB04(0-2)-103113	5089270001	Soil	10/31/2013	11/4/2013
FAW-SB05(0-2)-103113	5089270005	Soil	10/31/2013	11/4/2013
FAW-SB12(0-2)-103113	5089270008	Soil	10/31/2013	11/4/2013
FAW-SB10(4-6)-103113	5089270012	Soil	10/31/2013	11/4/2013

2. Holding Times

The sample holding times were acceptable.

3. Laboratory Duplicate Results

Laboratory duplicates were analyzed with the pH analyses. The RPDs were within the QC limits.

4. Overall Assessment

The general chemistry parameters are acceptable for use based on the information received.

ATTACHMENT

PACE ANALYTICAL SERVICES, INC.
RESULTS SUMMARY WITH QUALIFIERS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-TB08-103113 **Lab ID: 5089243001** Collected: 10/31/13 08:00 Received: 10/31/13 15:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/08/13 18:31	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/08/13 18:31	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/08/13 18:31	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/08/13 18:31	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/08/13 18:31	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/08/13 18:31	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/08/13 18:31	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-25-2	
Bromomethane	ND	ug/L	5.0	3.9	1		11/08/13 18:31	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/08/13 18:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/08/13 18:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/08/13 18:31	67-66-3	
Chloromethane	ND	ug/L	5.0	3.0	1		11/08/13 18:31	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.7	1		11/08/13 18:31	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/08/13 18:31	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	100-41-4	
Iodomethane	ND	ug/L	10.0	5.3	1		11/08/13 18:31	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/08/13 18:31	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/08/13 18:31	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-TB08-103113 **Lab ID: 5089243001** Collected: 10/31/13 08:00 Received: 10/31/13 15:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.4	1		11/08/13 18:31	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.1	1		11/08/13 18:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/08/13 18:31	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.2	1		11/08/13 18:31	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/08/13 18:31	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/08/13 18:31	110-57-6	
Surrogates									
Dibromofluoromethane (S)	106	%.	79-116		1		11/08/13 18:31	1868-53-7	
4-Bromofluorobenzene (S)	95	%.	80-114		1		11/08/13 18:31	460-00-4	
Toluene-d8 (S)	94	%.	81-110		1		11/08/13 18:31	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(0-2)-103113 **Lab ID: 5089243002** Collected: 10/31/13 11:35 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**727**	mg/kg	232	58.1	10	11/01/13 20:31	11/04/13 12:51		
TPH (C10-C20)	ND	mg/kg UJ	116	58.1	10	11/01/13 20:31	11/04/13 12:51		
TPH (C20-C34)	**685**	mg/kg	116	58.1	10	11/01/13 20:31	11/04/13 12:51		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/01/13 20:31	11/04/13 12:51	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	115	57.3	1	11/01/13 20:31	11/06/13 15:08	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	115	57.3	1	11/01/13 20:31	11/06/13 15:08	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	115	57.3	1	11/01/13 20:31	11/06/13 15:08	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	115	57.3	1	11/01/13 20:31	11/06/13 15:08	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	115	57.3	1	11/01/13 20:31	11/06/13 15:08	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	115	57.3	1	11/01/13 20:31	11/06/13 15:08	11097-69-1	
PCB-1260 (Aroclor 1260)	**205**	ug/kg	115	57.3	1	11/01/13 20:31	11/06/13 15:08	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	44	%.	30-106		1	11/01/13 20:31	11/06/13 15:08	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.0	0.52	1		11/07/13 17:43		
Surrogates									
4-Bromofluorobenzene (S)	100	%.	38-163		1		11/07/13 17:43	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**10000**	mg/kg	53.4	26.7	1	11/04/13 09:24	11/05/13 08:25	7429-90-5	
Antimony	**14.0**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-36-0	
Arsenic	**20.7**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-38-2	
Barium	**632**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-39-3	
Beryllium	**0.85**	mg/kg	0.53	0.27	1	11/04/13 09:24	11/05/13 08:25	7440-41-7	
Cadmium	**25.3**	mg/kg	2.1	0.53	1	11/04/13 09:24	11/05/13 08:25	7440-43-9	
Chromium	**47.8**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-47-3	
Cobalt	**9.2**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-48-4	
Copper	**396**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-50-8	
Lead	**1260**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7439-92-1	
Nickel	**151**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-02-0	
Selenium	ND	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7782-49-2	
Silver	ND	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-22-4	
Thallium	ND	mg/kg	10.7	5.3	5	11/04/13 09:24	11/05/13 10:13	7440-28-0	D3
Vanadium	**18.2**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-62-2	
Zinc	**7140**	mg/kg	10.7	5.3	5	11/04/13 09:24	11/05/13 10:13	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	0.20	1	11/06/13 11:10	11/07/13 14:15	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(0-2)-103113 **Lab ID: 5089243002** Collected: 10/31/13 11:35 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	83-32-9	
Acenaphthylene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	208-96-8	
Anthracene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1950	1890	10	11/01/13 20:31	11/12/13 21:40	50-32-8	
Benzo(b)fluoranthene	**2370J**	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	207-08-9	
Benzyl alcohol	ND	ug/kg	7570	3780	10	11/01/13 20:31	11/12/13 21:40	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	101-55-3	
Butylbenzylphthalate	**16100**	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7570	3780	10	11/01/13 20:31	11/12/13 21:40	59-50-7	
4-Chloroaniline	ND	ug/kg	7570	3780	10	11/01/13 20:31	11/12/13 21:40	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	91-58-7	
2-Chlorophenol	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	7005-72-3	
Chrysene	**2120J**	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1950	1890	10	11/01/13 20:31	11/12/13 21:40	53-70-3	
Dibenzofuran	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	120-83-2	
Diethylphthalate	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	105-67-9	
Dimethylphthalate	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	18300	9170	10	11/01/13 20:31	11/12/13 21:40	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18300	18300	10	11/01/13 20:31	11/12/13 21:40	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	117-84-0	
bis(2-Ethylhexyl)phthalate	**5070**	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	117-81-7	
Fluoranthene	**4950**	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	206-44-0	
Fluorene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3780	3780	10	11/01/13 20:31	11/12/13 21:40	77-47-4	
Hexachloroethane	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	193-39-5	
Isophorone	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7570	3780	10	11/01/13 20:31	11/12/13 21:40		
Naphthalene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	91-20-3	
2-Nitroaniline	ND	ug/kg	18300	9170	10	11/01/13 20:31	11/12/13 21:40	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(0-2)-103113 **Lab ID: 5089243002** Collected: 10/31/13 11:35 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	18300	9170	10	11/01/13 20:31	11/12/13 21:40	99-09-2	
4-Nitroaniline	ND	ug/kg	18300	9170	10	11/01/13 20:31	11/12/13 21:40	100-01-6	
Nitrobenzene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	98-95-3	
2-Nitrophenol	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	88-75-5	
4-Nitrophenol	ND	ug/kg	18300	9170	10	11/01/13 20:31	11/12/13 21:40	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	86-30-6	
Phenanthrene	**3840**	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	85-01-8	
Phenol	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	108-95-2	1d
Pyrene	**3890**	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	49	%.	28-101		10	11/01/13 20:31	11/12/13 21:40	4165-60-0	
2-Fluorobiphenyl (S)	50	%.	31-94		10	11/01/13 20:31	11/12/13 21:40	321-60-8	
p-Terphenyl-d14 (S)	68	%.	26-110		10	11/01/13 20:31	11/12/13 21:40	1718-51-0	
Phenol-d5 (S)	48	%.	28-101		10	11/01/13 20:31	11/12/13 21:40	4165-62-2	
2-Fluorophenol (S)	52	%.	24-104		10	11/01/13 20:31	11/12/13 21:40	367-12-4	
2,4,6-Tribromophenol (S)	50	%.	16-122		10	11/01/13 20:31	11/12/13 21:40	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.11	0.054	1		11/11/13 17:50	67-64-1	
Acrolein	ND	mg/kg	0.11	0.054	1		11/11/13 17:50	107-02-8	
Benzene	ND	mg/kg	0.0054	0.0011	1		11/11/13 17:50	71-43-2	
Bromobenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	108-86-1	
Bromochloromethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-27-4	
Bromoform	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-25-2	
Bromomethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.027	0.013	1		11/11/13 17:50	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	0.0027	1		11/11/13 17:50	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	56-23-5	
Chlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	108-90-7	
Chloroethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-00-3	
Chloroform	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	67-66-3	
Chloromethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	124-48-1	
Dibromomethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(0-2)-103113 **Lab ID: 5089243002** Collected: 10/31/13 11:35 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	0.054	1		11/11/13 17:50	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0054	0.0011	1		11/11/13 17:50	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	0.054	1		11/11/13 17:50	97-63-2	
n-Hexane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	110-54-3	N2
2-Hexanone	ND	mg/kg	0.11	0.054	1		11/11/13 17:50	591-78-6	
Iodomethane	ND	mg/kg	0.11	0.054	1		11/11/13 17:50	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	99-87-6	
Methylene Chloride	ND	mg/kg	0.021	0.011	1		11/11/13 17:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.027	0.013	1		11/11/13 17:50	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	103-65-1	
Styrene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0054	0.0011	1		11/11/13 17:50	127-18-4	
Toluene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	79-00-5	
Trichloroethene	ND	mg/kg	0.0054	0.0011	1		11/11/13 17:50	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	0.054	1		11/11/13 17:50	108-05-4	
Vinyl chloride	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	0.0054	1		11/11/13 17:50	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	101	%.	85-118		1		11/11/13 17:50	1868-53-7	
Toluene-d8 (S)	102	%.	71-128		1		11/11/13 17:50	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(0-2)-103113 **Lab ID: 5089243002** Collected: 10/31/13 11:35 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	96	%.	56-144		1		11/11/13 17:50	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.0**	%	0.10	0.10	1		11/01/13 15:07		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.0**	Std. Units	0.10		1		11/04/13 12:48		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(2-4)-103113 **Lab ID: 5089243003** Collected: 10/31/13 11:40 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**330**	mg/kg	112	27.9	5	11/01/13 20:31	11/04/13 14:37		
TPH (C10-C20)	**60.9**	mg/kg	55.8	27.9	5	11/01/13 20:31	11/04/13 14:37		
TPH (C20-C34)	**269**	mg/kg	55.8	27.9	5	11/01/13 20:31	11/04/13 14:37		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		5	11/01/13 20:31	11/04/13 14:37	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	110	55.1	1	11/01/13 20:31	11/06/13 15:14	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	110	55.1	1	11/01/13 20:31	11/06/13 15:14	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	110	55.1	1	11/01/13 20:31	11/06/13 15:14	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	110	55.1	1	11/01/13 20:31	11/06/13 15:14	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	110	55.1	1	11/01/13 20:31	11/06/13 15:14	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	110	55.1	1	11/01/13 20:31	11/06/13 15:14	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	110	55.1	1	11/01/13 20:31	11/06/13 15:14	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	49	%.	30-106		1	11/01/13 20:31	11/06/13 15:14	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.98	0.49	1		11/07/13 18:08		
Surrogates									
4-Bromofluorobenzene (S)	105	%.	38-163		1		11/07/13 18:08	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7360**	mg/kg	55.1	27.6	1	11/04/13 09:24	11/05/13 08:27	7429-90-5	
Antimony	**7.9**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-36-0	
Arsenic	**15.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-38-2	
Barium	**467**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-39-3	
Beryllium	**1.1**	mg/kg	0.55	0.28	1	11/04/13 09:24	11/05/13 08:27	7440-41-7	
Cadmium	**3.8**	mg/kg	2.2	0.55	1	11/04/13 09:24	11/05/13 08:27	7440-43-9	
Chromium	**16.0**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-47-3	
Cobalt	**7.7**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-48-4	
Copper	**164**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-50-8	
Lead	**764**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7439-92-1	
Nickel	**40.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-22-4	
Thallium	ND	mg/kg	11.0	5.5	5	11/04/13 09:24	11/05/13 10:15	7440-28-0	D3
Vanadium	**19.3**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-62-2	
Zinc	**1070**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.32**	mg/kg	0.21	0.18	1	11/06/13 11:10	11/07/13 14:22	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(2-4)-103113 **Lab ID: 5089243003** Collected: 10/31/13 11:40 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	83-32-9	
Acenaphthylene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	208-96-8	
Anthracene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1890	1830	10	11/01/13 20:31	11/12/13 22:00	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	207-08-9	
Benzyl alcohol	ND	ug/kg	7320	3660	10	11/01/13 20:31	11/12/13 22:00	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7320	3660	10	11/01/13 20:31	11/12/13 22:00	59-50-7	
4-Chloroaniline	ND	ug/kg	7320	3660	10	11/01/13 20:31	11/12/13 22:00	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	91-58-7	
2-Chlorophenol	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	7005-72-3	
Chrysene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1890	1830	10	11/01/13 20:31	11/12/13 22:00	53-70-3	
Dibenzofuran	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	120-83-2	
Diethylphthalate	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	105-67-9	
Dimethylphthalate	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17800	8880	10	11/01/13 20:31	11/12/13 22:00	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17800	17800	10	11/01/13 20:31	11/12/13 22:00	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	117-81-7	
Fluoranthene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	206-44-0	
Fluorene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3660	3660	10	11/01/13 20:31	11/12/13 22:00	77-47-4	
Hexachloroethane	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	193-39-5	
Isophorone	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7320	3660	10	11/01/13 20:31	11/12/13 22:00		
Naphthalene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	91-20-3	
2-Nitroaniline	ND	ug/kg	17800	8880	10	11/01/13 20:31	11/12/13 22:00	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(2-4)-103113 **Lab ID: 5089243003** Collected: 10/31/13 11:40 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	17800	8880	10	11/01/13 20:31	11/12/13 22:00	99-09-2	
4-Nitroaniline	ND	ug/kg	17800	8880	10	11/01/13 20:31	11/12/13 22:00	100-01-6	
Nitrobenzene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	98-95-3	
2-Nitrophenol	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	88-75-5	
4-Nitrophenol	ND	ug/kg	17800	8880	10	11/01/13 20:31	11/12/13 22:00	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	86-30-6	
Phenanthrene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	85-01-8	
Phenol	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	108-95-2	1d
Pyrene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	42	%.	28-101		10	11/01/13 20:31	11/12/13 22:00	4165-60-0	
2-Fluorobiphenyl (S)	48	%.	31-94		10	11/01/13 20:31	11/12/13 22:00	321-60-8	
p-Terphenyl-d14 (S)	62	%.	26-110		10	11/01/13 20:31	11/12/13 22:00	1718-51-0	
Phenol-d5 (S)	47	%.	28-101		10	11/01/13 20:31	11/12/13 22:00	4165-62-2	
2-Fluorophenol (S)	48	%.	24-104		10	11/01/13 20:31	11/12/13 22:00	367-12-4	
2,4,6-Tribromophenol (S)	46	%.	16-122		10	11/01/13 20:31	11/12/13 22:00	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.11	0.053	1		11/11/13 18:22	67-64-1	
Acrolein	ND	mg/kg	0.11	0.053	1		11/11/13 18:22	107-02-8	
Benzene	ND	mg/kg	0.0053	0.0011	1		11/11/13 18:22	71-43-2	
Bromobenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	108-86-1	
Bromochloromethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-27-4	
Bromoform	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-25-2	
Bromomethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.026	0.013	1		11/11/13 18:22	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	0.0026	1		11/11/13 18:22	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	56-23-5	
Chlorobenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	108-90-7	
Chloroethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-00-3	
Chloroform	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	67-66-3	
Chloromethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	124-48-1	
Dibromomethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(2-4)-103113 **Lab ID: 5089243003** Collected: 10/31/13 11:40 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	0.053	1		11/11/13 18:22	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0053	0.0011	1		11/11/13 18:22	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	0.053	1		11/11/13 18:22	97-63-2	
n-Hexane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	110-54-3	N2
2-Hexanone	ND	mg/kg	0.11	0.053	1		11/11/13 18:22	591-78-6	
Iodomethane	ND	mg/kg	0.11	0.053	1		11/11/13 18:22	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	99-87-6	
Methylene Chloride	**0.013J**	mg/kg	0.021	0.011	1		11/11/13 18:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.026	0.013	1		11/11/13 18:22	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	103-65-1	
Styrene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0053	0.0011	1		11/11/13 18:22	127-18-4	
Toluene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	79-00-5	
Trichloroethene	ND	mg/kg	0.0053	0.0011	1		11/11/13 18:22	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	0.053	1		11/11/13 18:22	108-05-4	
Vinyl chloride	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	0.0053	1		11/11/13 18:22	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	99	%.	85-118		1		11/11/13 18:22	1868-53-7	
Toluene-d8 (S)	101	%.	71-128		1		11/11/13 18:22	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(2-4)-103113 **Lab ID: 5089243003** Collected: 10/31/13 11:40 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	98	%.	56-144		1		11/11/13 18:22	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.5**	%	0.10	0.10	1		11/01/13 15:08		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(4-6)-103113 **Lab ID: 5089243004** Collected: 10/31/13 11:55 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**79.6**	mg/kg J	22.3	5.6	1	11/01/13 20:31	11/04/13 14:24		
TPH (C10-C20)	**20.4**	mg/kg J	11.1	5.6	1	11/01/13 20:31	11/04/13 14:24		
TPH (C20-C34)	**59.2**	mg/kg J	11.1	5.6	1	11/01/13 20:31	11/04/13 14:24		
Surrogates									
n-Pentacosane (S)	193	%.	30-153		1	11/01/13 20:31	11/04/13 14:24	629-99-2	5d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	112	55.9	1	11/01/13 20:31	11/05/13 18:17	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	112	55.9	1	11/01/13 20:31	11/05/13 18:17	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	112	55.9	1	11/01/13 20:31	11/05/13 18:17	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	112	55.9	1	11/01/13 20:31	11/05/13 18:17	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	112	55.9	1	11/01/13 20:31	11/05/13 18:17	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	112	55.9	1	11/01/13 20:31	11/05/13 18:17	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	112	55.9	1	11/01/13 20:31	11/05/13 18:17	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	56	%.	30-106		1	11/01/13 20:31	11/05/13 18:17	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.85	0.43	1		11/07/13 20:21		
Surrogates									
4-Bromofluorobenzene (S)	42	%.	38-163		1		11/07/13 20:21	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**8220**	mg/kg	50.2	25.1	1	11/04/13 09:24	11/05/13 08:29	7429-90-5	
Antimony	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-36-0	
Arsenic	**11.3**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-38-2	
Barium	**60.6**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-39-3	
Beryllium	**0.48J**	mg/kg	0.50	0.25	1	11/04/13 09:24	11/05/13 08:29	7440-41-7	
Cadmium	ND	mg/kg	2.0	0.50	1	11/04/13 09:24	11/05/13 08:29	7440-43-9	
Chromium	**10.6**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-47-3	
Cobalt	**6.8**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-48-4	
Copper	**22.2**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-50-8	
Lead	**55.7**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7439-92-1	
Nickel	**19.6**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-02-0	
Selenium	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7782-49-2	
Silver	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-22-4	
Thallium	ND	mg/kg	4.0	2.0	2	11/04/13 09:24	11/05/13 10:17	7440-28-0	D3
Vanadium	**19.7**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-62-2	
Zinc	**95.7**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.34**	mg/kg	0.23	0.19	1	11/06/13 11:10	11/07/13 14:24	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(4-6)-103113 **Lab ID: 5089243004** Collected: 10/31/13 11:55 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	83-32-9	
Acenaphthylene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	208-96-8	
Anthracene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	120-12-7	
Benzo(a)anthracene	**2140J**	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1880	1830	10	11/01/13 20:31	11/12/13 22:20	50-32-8	
Benzo(b)fluoranthene	**3060J**	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	191-24-2	
Benzo(k)fluoranthene	**2760J**	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	207-08-9	
Benzyl alcohol	ND	ug/kg	7310	3650	10	11/01/13 20:31	11/12/13 22:20	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7310	3650	10	11/01/13 20:31	11/12/13 22:20	59-50-7	
4-Chloroaniline	ND	ug/kg	7310	3650	10	11/01/13 20:31	11/12/13 22:20	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	91-58-7	
2-Chlorophenol	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	7005-72-3	
Chrysene	**2090J**	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1880	1830	10	11/01/13 20:31	11/12/13 22:20	53-70-3	
Dibenzofuran	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	120-83-2	
Diethylphthalate	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	105-67-9	
Dimethylphthalate	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 22:20	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17700	17700	10	11/01/13 20:31	11/12/13 22:20	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	117-81-7	
Fluoranthene	**5520**	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	206-44-0	
Fluorene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3650	3650	10	11/01/13 20:31	11/12/13 22:20	77-47-4	
Hexachloroethane	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	193-39-5	
Isophorone	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7310	3650	10	11/01/13 20:31	11/12/13 22:20		
Naphthalene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	91-20-3	
2-Nitroaniline	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 22:20	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(4-6)-103113 **Lab ID: 5089243004** Collected: 10/31/13 11:55 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 22:20	99-09-2	
4-Nitroaniline	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 22:20	100-01-6	
Nitrobenzene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	98-95-3	
2-Nitrophenol	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	88-75-5	
4-Nitrophenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 22:20	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	86-30-6	
Phenanthrene	**6120**	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	85-01-8	
Phenol	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	108-95-2	1d
Pyrene	**4410**	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	67	%.	28-101		10	11/01/13 20:31	11/12/13 22:20	4165-60-0	
2-Fluorobiphenyl (S)	69	%.	31-94		10	11/01/13 20:31	11/12/13 22:20	321-60-8	
p-Terphenyl-d14 (S)	90	%.	26-110		10	11/01/13 20:31	11/12/13 22:20	1718-51-0	
Phenol-d5 (S)	69	%.	28-101		10	11/01/13 20:31	11/12/13 22:20	4165-62-2	
2-Fluorophenol (S)	71	%.	24-104		10	11/01/13 20:31	11/12/13 22:20	367-12-4	
2,4,6-Tribromophenol (S)	80	%.	16-122		10	11/01/13 20:31	11/12/13 22:20	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.091	0.045	1		11/11/13 18:54	67-64-1	
Acrolein	ND	mg/kg	0.091	0.045	1		11/11/13 18:54	107-02-8	
Benzene	ND	mg/kg	0.0045	0.00091	1		11/11/13 18:54	71-43-2	
Bromobenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	108-86-1	
Bromochloromethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-27-4	
Bromoform	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-25-2	
Bromomethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	0.011	1		11/11/13 18:54	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	98-06-6	
Carbon disulfide	ND	mg/kg	0.0091	0.0023	1		11/11/13 18:54	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	108-90-7	
Chloroethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-00-3	
Chloroform	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	67-66-3	
Chloromethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	124-48-1	
Dibromomethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(4-6)-103113 **Lab ID: 5089243004** Collected: 10/31/13 11:55 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.091	0.045	1		11/11/13 18:54	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	0.00091	1		11/11/13 18:54	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.091	0.045	1		11/11/13 18:54	97-63-2	
n-Hexane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	110-54-3	N2
2-Hexanone	ND	mg/kg	0.091	0.045	1		11/11/13 18:54	591-78-6	
Iodomethane	ND	mg/kg	0.091	0.045	1		11/11/13 18:54	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0091	1		11/11/13 18:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	0.011	1		11/11/13 18:54	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	103-65-1	
Styrene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0045	0.00091	1		11/11/13 18:54	127-18-4	
Toluene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	79-00-5	
Trichloroethene	ND	mg/kg	0.0045	0.00091	1		11/11/13 18:54	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	108-67-8	
Vinyl acetate	ND	mg/kg	0.091	0.045	1		11/11/13 18:54	108-05-4	
Vinyl chloride	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-01-4	
Xylene (Total)	ND	mg/kg	0.0091	0.0045	1		11/11/13 18:54	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	101	%.	85-118		1		11/11/13 18:54	1868-53-7	
Toluene-d8 (S)	102	%.	71-128		1		11/11/13 18:54	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(4-6)-103113 **Lab ID: 5089243004** Collected: 10/31/13 11:55 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	94	%.	56-144		1		11/11/13 18:54	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.6**	%	0.10	0.10	1		11/01/13 15:08		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(0-2)-103113 **Lab ID: 5089243005** Collected: 10/31/13 13:11 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**899**	mg/kg	240	60.0	10	11/01/13 20:31	11/04/13 13:24		
TPH (C10-C20)	**160**	mg/kg	120	60.0	10	11/01/13 20:31	11/04/13 13:24		
TPH (C20-C34)	**739**	mg/kg	120	60.0	10	11/01/13 20:31	11/04/13 13:24		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/01/13 20:31	11/04/13 13:24	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	121	60.6	1	11/01/13 20:31	11/05/13 17:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	121	60.6	1	11/01/13 20:31	11/05/13 17:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	121	60.6	1	11/01/13 20:31	11/05/13 17:53	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	121	60.6	1	11/01/13 20:31	11/05/13 17:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	121	60.6	1	11/01/13 20:31	11/05/13 17:53	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	121	60.6	1	11/01/13 20:31	11/05/13 17:53	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	121	60.6	1	11/01/13 20:31	11/05/13 17:53	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	60	%.	30-106		1	11/01/13 20:31	11/05/13 17:53	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11700**	mg/kg	54.7	27.4	1	11/04/13 09:24	11/05/13 08:32	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-36-0	
Arsenic	**12.7**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-38-2	
Barium	**951**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-39-3	
Beryllium	**0.60**	mg/kg	0.55	0.27	1	11/04/13 09:24	11/05/13 08:32	7440-41-7	
Cadmium	**0.74J**	mg/kg	2.2	0.55	1	11/04/13 09:24	11/05/13 08:32	7440-43-9	
Chromium	**25.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-47-3	
Cobalt	**5.9**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-48-4	
Copper	**25.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-50-8	
Lead	**182**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7439-92-1	
Nickel	**23.1**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-22-4	
Thallium	ND	mg/kg	10.9	5.5	5	11/04/13 09:24	11/05/13 10:19	7440-28-0	D3
Vanadium	**25.9**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-62-2	
Zinc	**507**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.26	0.22	1	11/06/13 11:10	11/07/13 14:26	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**15300**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	83-32-9	
Acenaphthylene	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	208-96-8	
Anthracene	**40500**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	120-12-7	
Benzo(a)anthracene	**54800**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	56-55-3	
Benzo(a)pyrene	**44400**	ug/kg	2040	1980	10	11/01/13 20:31	11/12/13 22:40	50-32-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(0-2)-103113 **Lab ID: 5089243005** Collected: 10/31/13 13:11 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**59800**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	205-99-2	
Benzo(g,h,i)perylene	**22800**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	191-24-2	
Benzo(k)fluoranthene	**17100**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	207-08-9	
Benzyl alcohol	ND	ug/kg	7920	3960	10	11/01/13 20:31	11/12/13 22:40	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7920	3960	10	11/01/13 20:31	11/12/13 22:40	59-50-7	
4-Chloroaniline	ND	ug/kg	7920	3960	10	11/01/13 20:31	11/12/13 22:40	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	91-58-7	
2-Chlorophenol	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	7005-72-3	
Chrysene	**46900**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	218-01-9	
Dibenz(a,h)anthracene	**6760**	ug/kg J	2040	1980	10	11/01/13 20:31	11/12/13 22:40	53-70-3	
Dibenzofuran	**12400**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	120-83-2	
Diethylphthalate	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	105-67-9	
Dimethylphthalate	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19200	9600	10	11/01/13 20:31	11/12/13 22:40	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19200	19200	10	11/01/13 20:31	11/12/13 22:40	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	117-81-7	
Fluoranthene	**152000**	ug/kg	39600	19800	100	11/01/13 20:31	11/13/13 13:26	206-44-0	
Fluorene	**19000**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3960	3960	10	11/01/13 20:31	11/12/13 22:40	77-47-4	
Hexachloroethane	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	67-72-1	
Indeno(1,2,3-cd)pyrene	**21600**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	193-39-5	
Isophorone	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	78-59-1	
2-Methylnaphthalene	**3510J**	ug/kg J	3960	1980	10	11/01/13 20:31	11/12/13 22:40	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7920	3960	10	11/01/13 20:31	11/12/13 22:40		
Naphthalene	**12100**	ug/kg J	3960	1980	10	11/01/13 20:31	11/12/13 22:40	91-20-3	
2-Nitroaniline	ND	ug/kg	19200	9600	10	11/01/13 20:31	11/12/13 22:40	88-74-4	
3-Nitroaniline	ND	ug/kg	19200	9600	10	11/01/13 20:31	11/12/13 22:40	99-09-2	
4-Nitroaniline	ND	ug/kg	19200	9600	10	11/01/13 20:31	11/12/13 22:40	100-01-6	
Nitrobenzene	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	98-95-3	
2-Nitrophenol	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	88-75-5	
4-Nitrophenol	ND	ug/kg	19200	9600	10	11/01/13 20:31	11/12/13 22:40	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(0-2)-103113 **Lab ID: 5089243005** Collected: 10/31/13 13:11 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	86-30-6	
Phenanthrene	**140000**	ug/kg	39600	19800	100	11/01/13 20:31	11/13/13 13:26	85-01-8	
Phenol	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	108-95-2	1d
Pyrene	**112000**	ug/kg	39600	19800	100	11/01/13 20:31	11/13/13 13:26	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	52	%.	28-101		10	11/01/13 20:31	11/12/13 22:40	4165-60-0	
2-Fluorobiphenyl (S)	54	%.	31-94		10	11/01/13 20:31	11/12/13 22:40	321-60-8	
p-Terphenyl-d14 (S)	53	%.	26-110		10	11/01/13 20:31	11/12/13 22:40	1718-51-0	
Phenol-d5 (S)	50	%.	28-101		10	11/01/13 20:31	11/12/13 22:40	4165-62-2	
2-Fluorophenol (S)	53	%.	24-104		10	11/01/13 20:31	11/12/13 22:40	367-12-4	
2,4,6-Tribromophenol (S)	52	%.	16-122		10	11/01/13 20:31	11/12/13 22:40	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.8**	%	0.10	0.10	1		11/01/13 15:08		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.4**	Std. Units	0.10		1		11/04/13 12:51		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(2-4)-103113 **Lab ID: 5089243006** Collected: 10/31/13 13:20 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**70.3**	mg/kg	24.0	6.0	1	11/01/13 20:31	11/04/13 14:31		
TPH (C10-C20)	**8.0J**	mg/kg	12.0	6.0	1	11/01/13 20:31	11/04/13 14:31		
TPH (C20-C34)	**62.3**	mg/kg	12.0	6.0	1	11/01/13 20:31	11/04/13 14:31		
Surrogates									
n-Pentacosane (S)	144	%.	30-153		1	11/01/13 20:31	11/04/13 14:31	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	120	60.2	1	11/01/13 20:31	11/06/13 15:31	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	120	60.2	1	11/01/13 20:31	11/06/13 15:31	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	120	60.2	1	11/01/13 20:31	11/06/13 15:31	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	120	60.2	1	11/01/13 20:31	11/06/13 15:31	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	120	60.2	1	11/01/13 20:31	11/06/13 15:31	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	120	60.2	1	11/01/13 20:31	11/06/13 15:31	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	120	60.2	1	11/01/13 20:31	11/06/13 15:31	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	64	%.	30-106		1	11/01/13 20:31	11/06/13 15:31	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**14400**	mg/kg	58.7	29.4	1	11/04/13 09:24	11/05/13 08:34	7429-90-5	
Antimony	ND	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-36-0	
Arsenic	**6.0**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-38-2	
Barium	**59.9**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-39-3	
Beryllium	**0.45J**	mg/kg	0.59	0.29	1	11/04/13 09:24	11/05/13 08:34	7440-41-7	
Cadmium	ND	mg/kg	2.3	0.59	1	11/04/13 09:24	11/05/13 08:34	7440-43-9	
Chromium	**27.0**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-47-3	
Cobalt	**2.9**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-48-4	
Copper	**26.3**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-50-8	
Lead	**27.0**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7439-92-1	
Nickel	**12.9**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-02-0	
Selenium	ND	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7782-49-2	
Silver	ND	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-22-4	
Thallium	**1.4J**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-28-0	
Vanadium	**55.7**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-62-2	
Zinc	**67.4**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	0.21	1	11/06/13 11:10	11/07/13 14:28	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	83-32-9	
Acenaphthylene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	208-96-8	
Anthracene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	56-55-3	
Benzo(a)pyrene	ND	ug/kg	2030	1970	10	11/01/13 20:31	11/12/13 23:00	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(2-4)-103113 **Lab ID: 5089243006** Collected: 10/31/13 13:20 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	207-08-9	
Benzyl alcohol	ND	ug/kg	7900	3950	10	11/01/13 20:31	11/12/13 23:00	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7900	3950	10	11/01/13 20:31	11/12/13 23:00	59-50-7	
4-Chloroaniline	ND	ug/kg	7900	3950	10	11/01/13 20:31	11/12/13 23:00	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	91-58-7	
2-Chlorophenol	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	7005-72-3	
Chrysene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2030	1970	10	11/01/13 20:31	11/12/13 23:00	53-70-3	
Dibenzofuran	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	120-83-2	
Diethylphthalate	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	105-67-9	
Dimethylphthalate	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19100	9570	10	11/01/13 20:31	11/12/13 23:00	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19100	19100	10	11/01/13 20:31	11/12/13 23:00	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	117-81-7	
Fluoranthene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	206-44-0	
Fluorene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3950	3950	10	11/01/13 20:31	11/12/13 23:00	77-47-4	
Hexachloroethane	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	193-39-5	
Isophorone	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7900	3950	10	11/01/13 20:31	11/12/13 23:00		
Naphthalene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	91-20-3	
2-Nitroaniline	ND	ug/kg	19100	9570	10	11/01/13 20:31	11/12/13 23:00	88-74-4	
3-Nitroaniline	ND	ug/kg	19100	9570	10	11/01/13 20:31	11/12/13 23:00	99-09-2	
4-Nitroaniline	ND	ug/kg	19100	9570	10	11/01/13 20:31	11/12/13 23:00	100-01-6	
Nitrobenzene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	98-95-3	
2-Nitrophenol	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	88-75-5	
4-Nitrophenol	ND	ug/kg	19100	9570	10	11/01/13 20:31	11/12/13 23:00	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(2-4)-103113 **Lab ID: 5089243006** Collected: 10/31/13 13:20 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	86-30-6	
Phenanthrene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	85-01-8	
Phenol	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	108-95-2	1d
Pyrene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	67	%.	28-101		10	11/01/13 20:31	11/12/13 23:00	4165-60-0	
2-Fluorobiphenyl (S)	67	%.	31-94		10	11/01/13 20:31	11/12/13 23:00	321-60-8	
p-Terphenyl-d14 (S)	87	%.	26-110		10	11/01/13 20:31	11/12/13 23:00	1718-51-0	
Phenol-d5 (S)	70	%.	28-101		10	11/01/13 20:31	11/12/13 23:00	4165-62-2	
2-Fluorophenol (S)	75	%.	24-104		10	11/01/13 20:31	11/12/13 23:00	367-12-4	
2,4,6-Tribromophenol (S)	76	%.	16-122		10	11/01/13 20:31	11/12/13 23:00	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.0**	%	0.10	0.10	1		11/01/13 15:08		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(8-10)-103113 **Lab ID: 5089243007** Collected: 10/31/13 13:24 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**42.9**	mg/kg	21.1	5.3	1	11/01/13 20:31	11/04/13 13:38		
TPH (C10-C20)	**10.2J**	mg/kg	10.6	5.3	1	11/01/13 20:31	11/04/13 13:38		
TPH (C20-C34)	**32.7**	mg/kg	10.6	5.3	1	11/01/13 20:31	11/04/13 13:38		
Surrogates									
n-Pentacosane (S)	139	%.	30-153		1	11/01/13 20:31	11/04/13 13:38	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	106	52.9	1	11/01/13 20:31	11/05/13 18:29	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	106	52.9	1	11/01/13 20:31	11/05/13 18:29	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	106	52.9	1	11/01/13 20:31	11/05/13 18:29	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	106	52.9	1	11/01/13 20:31	11/05/13 18:29	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	106	52.9	1	11/01/13 20:31	11/05/13 18:29	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	106	52.9	1	11/01/13 20:31	11/05/13 18:29	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	106	52.9	1	11/01/13 20:31	11/05/13 18:29	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	59	%.	30-106		1	11/01/13 20:31	11/05/13 18:29	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7450**	mg/kg	51.2	25.6	1	11/04/13 09:24	11/05/13 08:36	7429-90-5	
Antimony	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-36-0	
Arsenic	**12.4**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-38-2	
Barium	**39.4**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-39-3	
Beryllium	**0.39J**	mg/kg	0.51	0.26	1	11/04/13 09:24	11/05/13 08:36	7440-41-7	
Cadmium	ND	mg/kg	2.0	0.51	1	11/04/13 09:24	11/05/13 08:36	7440-43-9	
Chromium	**9.8**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-47-3	
Cobalt	**6.8**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-48-4	
Copper	**23.2**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-50-8	
Lead	**22.2**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7439-92-1	
Nickel	**19.8**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-02-0	
Selenium	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7782-49-2	
Silver	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-22-4	
Thallium	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-28-0	
Vanadium	**17.0**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-62-2	
Zinc	**81.1**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.22	0.19	1	11/06/13 11:10	11/07/13 14:30	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	83-32-9	
Acenaphthylene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	208-96-8	
Anthracene	**229J**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	120-12-7	
Benzo(a)anthracene	**464**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	56-55-3	
Benzo(a)pyrene	**421**	ug/kg	181	176	1	11/01/13 20:31	11/12/13 23:19	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(8-10)-103113 **Lab ID: 5089243007** Collected: 10/31/13 13:24 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**529**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	205-99-2	
Benzo(g,h,i)perylene	**222J**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	191-24-2	
Benzo(k)fluoranthene	**235J**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	207-08-9	
Benzyl alcohol	ND	ug/kg	703	352	1	11/01/13 20:31	11/12/13 23:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	101-55-3	
Butylbenzylphthalate	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	703	352	1	11/01/13 20:31	11/12/13 23:19	59-50-7	
4-Chloroaniline	ND	ug/kg	703	352	1	11/01/13 20:31	11/12/13 23:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	108-60-1	
2-Chloronaphthalene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	91-58-7	
2-Chlorophenol	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	7005-72-3	
Chrysene	**440**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	181	176	1	11/01/13 20:31	11/12/13 23:19	53-70-3	
Dibenzofuran	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	120-83-2	
Diethylphthalate	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	105-67-9	
Dimethylphthalate	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	131-11-3	
Di-n-butylphthalate	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1710	853	1	11/01/13 20:31	11/12/13 23:19	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1710	1710	1	11/01/13 20:31	11/12/13 23:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	606-20-2	
Di-n-octylphthalate	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	117-81-7	
Fluoranthene	**943**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	206-44-0	
Fluorene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	352	352	1	11/01/13 20:31	11/12/13 23:19	77-47-4	
Hexachloroethane	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	67-72-1	
Indeno(1,2,3-cd)pyrene	**201J**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	193-39-5	
Isophorone	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	78-59-1	
2-Methylnaphthalene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	703	352	1	11/01/13 20:31	11/12/13 23:19		
Naphthalene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	91-20-3	
2-Nitroaniline	ND	ug/kg	1710	853	1	11/01/13 20:31	11/12/13 23:19	88-74-4	
3-Nitroaniline	ND	ug/kg	1710	853	1	11/01/13 20:31	11/12/13 23:19	99-09-2	
4-Nitroaniline	ND	ug/kg	1710	853	1	11/01/13 20:31	11/12/13 23:19	100-01-6	
Nitrobenzene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	98-95-3	
2-Nitrophenol	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	88-75-5	
4-Nitrophenol	ND	ug/kg	1710	853	1	11/01/13 20:31	11/12/13 23:19	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(8-10)-103113 **Lab ID: 5089243007** Collected: 10/31/13 13:24 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	86-30-6	
Phenanthrene	**804**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	85-01-8	
Phenol	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	108-95-2	
Pyrene	**760**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	59	%.	28-101		1	11/01/13 20:31	11/12/13 23:19	4165-60-0	
2-Fluorobiphenyl (S)	60	%.	31-94		1	11/01/13 20:31	11/12/13 23:19	321-60-8	
p-Terphenyl-d14 (S)	70	%.	26-110		1	11/01/13 20:31	11/12/13 23:19	1718-51-0	
Phenol-d5 (S)	57	%.	28-101		1	11/01/13 20:31	11/12/13 23:19	4165-62-2	
2-Fluorophenol (S)	61	%.	24-104		1	11/01/13 20:31	11/12/13 23:19	367-12-4	
2,4,6-Tribromophenol (S)	65	%.	16-122		1	11/01/13 20:31	11/12/13 23:19	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.2**	%	0.10	0.10	1		11/01/13 15:08		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(0-2)-103113 **Lab ID: 5089243008** Collected: 10/31/13 14:05 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**134**	mg/kg	122	30.5	5	11/01/13 20:31	11/04/13 15:04		
TPH (C10-C20)	ND	mg/kg	60.9	30.5	5	11/01/13 20:31	11/04/13 15:04		
TPH (C20-C34)	**109**	mg/kg	60.9	30.5	5	11/01/13 20:31	11/04/13 15:04		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		5	11/01/13 20:31	11/04/13 15:04	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	122	60.9	1	11/01/13 20:31	11/05/13 17:59	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	122	60.9	1	11/01/13 20:31	11/05/13 17:59	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	122	60.9	1	11/01/13 20:31	11/05/13 17:59	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	122	60.9	1	11/01/13 20:31	11/05/13 17:59	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	122	60.9	1	11/01/13 20:31	11/05/13 17:59	12672-29-6	
PCB-1254 (Aroclor 1254)	**280**	ug/kg	122	60.9	1	11/01/13 20:31	11/05/13 17:59	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	122	60.9	1	11/01/13 20:31	11/05/13 17:59	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	31	%.	30-106		1	11/01/13 20:31	11/05/13 17:59	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**13200**	mg/kg	54.3	27.2	1	11/04/13 09:24	11/05/13 08:38	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-36-0	
Arsenic	**19.0**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-38-2	
Barium	**84.8**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-39-3	
Beryllium	**0.90**	mg/kg	0.54	0.27	1	11/04/13 09:24	11/05/13 08:38	7440-41-7	
Cadmium	ND	mg/kg	2.2	0.54	1	11/04/13 09:24	11/05/13 08:38	7440-43-9	
Chromium	**24.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-47-3	
Cobalt	**17.7**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-48-4	
Copper	**47.3**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-50-8	
Lead	**516**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7439-92-1	
Nickel	**34.0**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-28-0	
Vanadium	**23.8**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-62-2	
Zinc	**149**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	0.21	1	11/06/13 11:10	11/07/13 14:32	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	83-32-9	
Acenaphthylene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	208-96-8	
Anthracene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	2060	2000	10	11/01/13 20:31	11/12/13 23:39	50-32-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(0-2)-103113 **Lab ID: 5089243008** Collected: 10/31/13 14:05 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**2170J**	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	207-08-9	
Benzyl alcohol	ND	ug/kg	8020	4010	10	11/01/13 20:31	11/12/13 23:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	101-55-3	
Butylbenzylphthalate	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	8020	4010	10	11/01/13 20:31	11/12/13 23:39	59-50-7	
4-Chloroaniline	ND	ug/kg	8020	4010	10	11/01/13 20:31	11/12/13 23:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	108-60-1	
2-Chloronaphthalene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	91-58-7	
2-Chlorophenol	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	7005-72-3	
Chrysene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2060	2000	10	11/01/13 20:31	11/12/13 23:39	53-70-3	
Dibenzofuran	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	120-83-2	
Diethylphthalate	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	105-67-9	
Dimethylphthalate	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	131-11-3	
Di-n-butylphthalate	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19400	9720	10	11/01/13 20:31	11/12/13 23:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19400	19400	10	11/01/13 20:31	11/12/13 23:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	117-81-7	
Fluoranthene	**4030**	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	206-44-0	
Fluorene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	4010	4010	10	11/01/13 20:31	11/12/13 23:39	77-47-4	
Hexachloroethane	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	193-39-5	
Isophorone	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	78-59-1	
2-Methylnaphthalene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	8020	4010	10	11/01/13 20:31	11/12/13 23:39		
Naphthalene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	91-20-3	
2-Nitroaniline	ND	ug/kg	19400	9720	10	11/01/13 20:31	11/12/13 23:39	88-74-4	
3-Nitroaniline	ND	ug/kg	19400	9720	10	11/01/13 20:31	11/12/13 23:39	99-09-2	
4-Nitroaniline	ND	ug/kg	19400	9720	10	11/01/13 20:31	11/12/13 23:39	100-01-6	
Nitrobenzene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	98-95-3	
2-Nitrophenol	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	88-75-5	
4-Nitrophenol	ND	ug/kg	19400	9720	10	11/01/13 20:31	11/12/13 23:39	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(0-2)-103113 **Lab ID: 5089243008** Collected: 10/31/13 14:05 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	86-30-6	
Phenanthrene	**3880J**	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	85-01-8	
Phenol	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	108-95-2	1d
Pyrene	**3160J**	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	49	%.	28-101		10	11/01/13 20:31	11/12/13 23:39	4165-60-0	
2-Fluorobiphenyl (S)	50	%.	31-94		10	11/01/13 20:31	11/12/13 23:39	321-60-8	
p-Terphenyl-d14 (S)	57	%.	26-110		10	11/01/13 20:31	11/12/13 23:39	1718-51-0	
Phenol-d5 (S)	47	%.	28-101		10	11/01/13 20:31	11/12/13 23:39	4165-62-2	
2-Fluorophenol (S)	51	%.	24-104		10	11/01/13 20:31	11/12/13 23:39	367-12-4	
2,4,6-Tribromophenol (S)	50	%.	16-122		10	11/01/13 20:31	11/12/13 23:39	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.9**	%	0.10	0.10	1		11/01/13 15:08		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(2-4)-103113 **Lab ID: 5089243009** Collected: 10/31/13 14:08 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**23600**	mg/kg	5350	1340	50	11/01/13 20:31	11/04/13 14:51		
TPH (C10-C20)	**5370**	mg/kg	2680	1340	50	11/01/13 20:31	11/04/13 14:51		
TPH (C20-C34)	**18200**	mg/kg	2680	1340	50	11/01/13 20:31	11/04/13 14:51		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		50	11/01/13 20:31	11/04/13 14:51	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1070	533	10	11/01/13 20:31	11/06/13 15:37	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1070	533	10	11/01/13 20:31	11/06/13 15:37	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1070	533	10	11/01/13 20:31	11/06/13 15:37	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1070	533	10	11/01/13 20:31	11/06/13 15:37	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1070	533	10	11/01/13 20:31	11/06/13 15:37	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1070	533	10	11/01/13 20:31	11/06/13 15:37	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1070	533	10	11/01/13 20:31	11/06/13 15:37	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/01/13 20:31	11/06/13 15:37	877-09-8	S4
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	**73.9**	mg/kg	27.0	13.5	25		11/07/13 20:46		
Surrogates									
4-Bromofluorobenzene (S)	89	%.	38-163		25		11/07/13 20:46	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**2820**	mg/kg	48.2	24.1	1	11/04/13 09:24	11/05/13 08:45	7429-90-5	
Antimony	**1.6J**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-36-0	
Arsenic	**7.9**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-38-2	
Barium	**69.8**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-39-3	
Beryllium	ND	mg/kg	0.48	0.24	1	11/04/13 09:24	11/05/13 08:45	7440-41-7	
Cadmium	**4.0**	mg/kg	1.9	0.48	1	11/04/13 09:24	11/05/13 08:45	7440-43-9	
Chromium	**10.2**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-47-3	
Cobalt	**2.4**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-48-4	
Copper	**81.1**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-50-8	
Lead	**219**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7439-92-1	
Nickel	**17.9**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-02-0	
Selenium	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7782-49-2	
Silver	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-22-4	
Thallium	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-28-0	
Vanadium	**8.0**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-62-2	
Zinc	**500**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.21	0.18	1	11/06/13 11:10	11/07/13 14:34	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(2-4)-103113 **Lab ID: 5089243009** Collected: 10/31/13 14:08 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**225000**	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	83-32-9	
Acenaphthylene	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	208-96-8	
Anthracene	**536000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	120-12-7	
Benzo(a)anthracene	**731000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	56-55-3	
Benzo(a)pyrene	**670000**	ug/kg	91300	88600	100	11/01/13 20:31	11/13/13 13:06	50-32-8	
Benzo(b)fluoranthene	**836000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	205-99-2	
Benzo(g,h,i)perylene	**330000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	191-24-2	
Benzo(k)fluoranthene	**335000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	207-08-9	
Benzyl alcohol	ND	ug/kg	35400	17700	10	11/01/13 20:31	11/12/13 23:59	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	101-55-3	
Butylbenzylphthalate	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	35400	17700	10	11/01/13 20:31	11/12/13 23:59	59-50-7	
4-Chloroaniline	ND	ug/kg	35400	17700	10	11/01/13 20:31	11/12/13 23:59	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	108-60-1	
2-Chloronaphthalene	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	91-58-7	
2-Chlorophenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	7005-72-3	
Chrysene	**658000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	218-01-9	
Dibenz(a,h)anthracene	**116000**	ug/kg	9130	8860	10	11/01/13 20:31	11/12/13 23:59	53-70-3	
Dibenzofuran	**187000**	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	120-83-2	
Diethylphthalate	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	105-67-9	
Dimethylphthalate	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	131-11-3	
Di-n-butylphthalate	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	85900	43000	10	11/01/13 20:31	11/12/13 23:59	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	85900	85900	10	11/01/13 20:31	11/12/13 23:59	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	606-20-2	
Di-n-octylphthalate	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	117-81-7	
Fluoranthene	**1770000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	206-44-0	
Fluorene	**278000**	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	17700	17700	10	11/01/13 20:31	11/12/13 23:59	77-47-4	
Hexachloroethane	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	67-72-1	
Indeno(1,2,3-cd)pyrene	**331000**	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	193-39-5	
Isophorone	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	78-59-1	
2-Methylnaphthalene	**49700**	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	35400	17700	10	11/01/13 20:31	11/12/13 23:59		
Naphthalene	**90700**	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	91-20-3	
2-Nitroaniline	ND	ug/kg	85900	43000	10	11/01/13 20:31	11/12/13 23:59	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(2-4)-103113 **Lab ID: 5089243009** Collected: 10/31/13 14:08 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	85900	43000	10	11/01/13 20:31	11/12/13 23:59	99-09-2	
4-Nitroaniline	ND	ug/kg	85900	43000	10	11/01/13 20:31	11/12/13 23:59	100-01-6	
Nitrobenzene	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	98-95-3	
2-Nitrophenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	88-75-5	
4-Nitrophenol	ND	ug/kg	85900	43000	10	11/01/13 20:31	11/12/13 23:59	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	86-30-6	
Phenanthrene	**1740000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	85-01-8	
Phenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	108-95-2	1d
Pyrene	**1420000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	60	%.	28-101		10	11/01/13 20:31	11/12/13 23:59	4165-60-0	
2-Fluorobiphenyl (S)	64	%.	31-94		10	11/01/13 20:31	11/12/13 23:59	321-60-8	
p-Terphenyl-d14 (S)	0	%.	26-110		10	11/01/13 20:31	11/12/13 23:59	1718-51-0	S4
Phenol-d5 (S)	57	%.	28-101		10	11/01/13 20:31	11/12/13 23:59	4165-62-2	
2-Fluorophenol (S)	59	%.	24-104		10	11/01/13 20:31	11/12/13 23:59	367-12-4	
2,4,6-Tribromophenol (S)	52	%.	16-122		10	11/01/13 20:31	11/12/13 23:59	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	10.8	5.4	100		11/11/13 19:59	67-64-1	
Acrolein	ND	mg/kg	10.8	5.4	100		11/11/13 19:59	107-02-8	
Benzene	**0.78**	mg/kg	0.54	0.11	100		11/11/13 19:59	71-43-2	
Bromobenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	108-86-1	
Bromochloromethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	74-97-5	
Bromodichloromethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-27-4	
Bromoform	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-25-2	
Bromomethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	74-83-9	
2-Butanone (MEK)	ND	mg/kg	2.7	1.3	100		11/11/13 19:59	78-93-3	
n-Butylbenzene	**0.38J**	mg/kg	0.54	0.27	100		11/11/13 19:59	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	98-06-6	
Carbon disulfide	ND	mg/kg	1.1	0.27	100		11/11/13 19:59	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	56-23-5	
Chlorobenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	108-90-7	
Chloroethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-00-3	
Chloroform	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	67-66-3	
Chloromethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	106-43-4	
Dibromochloromethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	124-48-1	
Dibromomethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(2-4)-103113 **Lab ID: 5089243009** Collected: 10/31/13 14:08 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	10.8	5.4	100		11/11/13 19:59	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.54	0.11	100		11/11/13 19:59	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	10061-02-6	
Ethylbenzene	**1.0**	mg/kg	0.54	0.27	100		11/11/13 19:59	100-41-4	
Ethyl methacrylate	ND	mg/kg	10.8	5.4	100		11/11/13 19:59	97-63-2	
n-Hexane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	110-54-3	N2
2-Hexanone	ND	mg/kg	10.8	5.4	100		11/11/13 19:59	591-78-6	
Iodomethane	ND	mg/kg	10.8	5.4	100		11/11/13 19:59	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	99-87-6	
Methylene Chloride	ND	mg/kg	2.2	1.1	100		11/11/13 19:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	2.7	1.3	100		11/11/13 19:59	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	1634-04-4	D4
n-Propylbenzene	**0.34J**	mg/kg	0.54	0.27	100		11/11/13 19:59	103-65-1	
Styrene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	79-34-5	
Tetrachloroethene	ND	mg/kg	0.54	0.11	100		11/11/13 19:59	127-18-4	
Toluene	**3.9**	mg/kg	0.54	0.27	100		11/11/13 19:59	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	79-00-5	
Trichloroethene	ND	mg/kg	0.54	0.11	100		11/11/13 19:59	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-69-4	
1,2,4-Trimethylbenzene	**3.2**	mg/kg	0.54	0.27	100		11/11/13 19:59	95-63-6	
1,3,5-Trimethylbenzene	**1.5**	mg/kg	0.54	0.27	100		11/11/13 19:59	108-67-8	
Vinyl acetate	ND	mg/kg	10.8	5.4	100		11/11/13 19:59	108-05-4	
Vinyl chloride	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-01-4	
Xylene (Total)	**7.8**	mg/kg	1.1	0.54	100		11/11/13 19:59	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	97	%.	85-118		100		11/11/13 19:59	1868-53-7	
Toluene-d8 (S)	101	%.	71-128		100		11/11/13 19:59	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(2-4)-103113 **Lab ID: 5089243009** Collected: 10/31/13 14:08 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	99	%.	56-144		100		11/11/13 19:59	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.2**	%	0.10	0.10	1		11/01/13 15:08		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.2**	Std. Units	0.10		1		11/04/13 12:51		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(8-10)-103113 **Lab ID: 5089243010** Collected: 10/31/13 14:20 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**6.5J**	mg/kg	22.5	5.6	1	11/01/13 20:31	11/04/13 13:57		
TPH (C10-C20)	ND	mg/kg	11.2	5.6	1	11/01/13 20:31	11/04/13 13:57		
TPH (C20-C34)	ND	mg/kg	11.2	5.6	1	11/01/13 20:31	11/04/13 13:57		
Surrogates									
n-Pentacosane (S)	90	%.	30-153		1	11/01/13 20:31	11/04/13 13:57	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	112	56.0	1	11/01/13 20:31	11/05/13 18:35	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	112	56.0	1	11/01/13 20:31	11/05/13 18:35	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	112	56.0	1	11/01/13 20:31	11/05/13 18:35	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	112	56.0	1	11/01/13 20:31	11/05/13 18:35	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	112	56.0	1	11/01/13 20:31	11/05/13 18:35	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	112	56.0	1	11/01/13 20:31	11/05/13 18:35	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	112	56.0	1	11/01/13 20:31	11/05/13 18:35	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	74	%.	30-106		1	11/01/13 20:31	11/05/13 18:35	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7270**	mg/kg	48.1	24.1	1	11/04/13 09:24	11/05/13 08:47	7429-90-5	
Antimony	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-36-0	
Arsenic	**13.6**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-38-2	
Barium	**14.3**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-39-3	
Beryllium	**0.48**	mg/kg	0.48	0.24	1	11/04/13 09:24	11/05/13 08:47	7440-41-7	
Cadmium	ND	mg/kg	1.9	0.48	1	11/04/13 09:24	11/05/13 08:47	7440-43-9	
Chromium	**10.2**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-47-3	
Cobalt	**9.7**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-48-4	
Copper	**21.4**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-50-8	
Lead	**9.0**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7439-92-1	
Nickel	**24.2**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-02-0	
Selenium	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7782-49-2	
Silver	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-22-4	
Thallium	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-28-0	
Vanadium	**22.5**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-62-2	
Zinc	**107**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	0.20	1	11/06/13 11:10	11/07/13 14:36	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	83-32-9	
Acenaphthylene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	208-96-8	
Anthracene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	120-12-7	
Benzo(a)anthracene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	56-55-3	
Benzo(a)pyrene	ND	ug/kg	190	184	1	11/01/13 20:31	11/13/13 00:19	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(8-10)-103113 **Lab ID: 5089243010** Collected: 10/31/13 14:20 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	207-08-9	
Benzyl alcohol	ND	ug/kg	737	368	1	11/01/13 20:31	11/13/13 00:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	101-55-3	
Butylbenzylphthalate	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	737	368	1	11/01/13 20:31	11/13/13 00:19	59-50-7	
4-Chloroaniline	ND	ug/kg	737	368	1	11/01/13 20:31	11/13/13 00:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	108-60-1	
2-Chloronaphthalene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	91-58-7	
2-Chlorophenol	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	7005-72-3	
Chrysene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	190	184	1	11/01/13 20:31	11/13/13 00:19	53-70-3	
Dibenzofuran	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	120-83-2	
Diethylphthalate	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	105-67-9	
Dimethylphthalate	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	131-11-3	
Di-n-butylphthalate	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1790	893	1	11/01/13 20:31	11/13/13 00:19	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1790	1790	1	11/01/13 20:31	11/13/13 00:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	606-20-2	
Di-n-octylphthalate	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	117-81-7	
Fluoranthene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	206-44-0	
Fluorene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	368	368	1	11/01/13 20:31	11/13/13 00:19	77-47-4	
Hexachloroethane	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	193-39-5	
Isophorone	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	78-59-1	
2-Methylnaphthalene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	737	368	1	11/01/13 20:31	11/13/13 00:19		
Naphthalene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	91-20-3	
2-Nitroaniline	ND	ug/kg	1790	893	1	11/01/13 20:31	11/13/13 00:19	88-74-4	
3-Nitroaniline	ND	ug/kg	1790	893	1	11/01/13 20:31	11/13/13 00:19	99-09-2	
4-Nitroaniline	ND	ug/kg	1790	893	1	11/01/13 20:31	11/13/13 00:19	100-01-6	
Nitrobenzene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	98-95-3	
2-Nitrophenol	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	88-75-5	
4-Nitrophenol	ND	ug/kg	1790	893	1	11/01/13 20:31	11/13/13 00:19	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(8-10)-103113 **Lab ID: 5089243010** Collected: 10/31/13 14:20 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	86-30-6	
Phenanthrene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	85-01-8	
Phenol	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	108-95-2	
Pyrene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	64	%.	28-101		1	11/01/13 20:31	11/13/13 00:19	4165-60-0	
2-Fluorobiphenyl (S)	65	%.	31-94		1	11/01/13 20:31	11/13/13 00:19	321-60-8	
p-Terphenyl-d14 (S)	83	%.	26-110		1	11/01/13 20:31	11/13/13 00:19	1718-51-0	
Phenol-d5 (S)	70	%.	28-101		1	11/01/13 20:31	11/13/13 00:19	4165-62-2	
2-Fluorophenol (S)	72	%.	24-104		1	11/01/13 20:31	11/13/13 00:19	367-12-4	
2,4,6-Tribromophenol (S)	77	%.	16-122		1	11/01/13 20:31	11/13/13 00:19	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.3**	%	0.10	0.10	1		11/01/13 15:08		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB10(0-2)-103113 **Lab ID: 5089243011** Collected: 10/31/13 14:45 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**564J**	mg/kg	589	147	5	11/01/13 20:31	11/04/13 14:57		
TPH (C10-C20)	ND	mg/kg	294	147	5	11/01/13 20:31	11/04/13 14:57		
TPH (C20-C34)	**492**	mg/kg	294	147	5	11/01/13 20:31	11/04/13 14:57		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		5	11/01/13 20:31	11/04/13 14:57	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1170	587	10	11/01/13 20:31	11/07/13 17:36	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1170	587	10	11/01/13 20:31	11/07/13 17:36	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1170	587	10	11/01/13 20:31	11/07/13 17:36	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1170	587	10	11/01/13 20:31	11/07/13 17:36	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1170	587	10	11/01/13 20:31	11/07/13 17:36	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1170	587	10	11/01/13 20:31	11/07/13 17:36	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1170	587	10	11/01/13 20:31	11/07/13 17:36	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/01/13 20:31	11/07/13 17:36	877-09-8	S4
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.3	0.66	1		11/07/13 21:11		
Surrogates									
4-Bromofluorobenzene (S)	100	%.	38-163		1		11/07/13 21:11	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11400**	mg/kg	55.7	27.9	1	11/04/13 09:24	11/05/13 08:49	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-36-0	
Arsenic	**11.0**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-38-2	
Barium	**206**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-39-3	
Beryllium	**1.0**	mg/kg	0.56	0.28	1	11/04/13 09:24	11/05/13 08:49	7440-41-7	
Cadmium	ND	mg/kg	2.2	0.56	1	11/04/13 09:24	11/05/13 08:49	7440-43-9	
Chromium	**12.7**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-47-3	
Cobalt	**4.7**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-48-4	
Copper	**22.1**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-50-8	
Lead	**34.2**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7439-92-1	
Nickel	**15.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-22-4	
Thallium	ND	mg/kg	11.1	5.6	5	11/04/13 09:24	11/05/13 10:21	7440-28-0	D3
Vanadium	**16.3**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-62-2	
Zinc	**115**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	0.20	1	11/06/13 11:10	11/07/13 14:38	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB10(0-2)-103113 **Lab ID: 5089243011** Collected: 10/31/13 14:45 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	83-32-9	
Acenaphthylene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	208-96-8	
Anthracene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	10000	9750	10	11/01/13 20:31	11/13/13 00:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	207-08-9	
Benzyl alcohol	ND	ug/kg	39000	19500	10	11/01/13 20:31	11/13/13 00:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	101-55-3	
Butylbenzylphthalate	**330000**	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	39000	19500	10	11/01/13 20:31	11/13/13 00:39	59-50-7	
4-Chloroaniline	ND	ug/kg	39000	19500	10	11/01/13 20:31	11/13/13 00:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	108-60-1	
2-Chloronaphthalene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	91-58-7	
2-Chlorophenol	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	7005-72-3	
Chrysene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	10000	9750	10	11/01/13 20:31	11/13/13 00:39	53-70-3	
Dibenzofuran	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	120-83-2	
Diethylphthalate	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	105-67-9	
Dimethylphthalate	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	131-11-3	
Di-n-butylphthalate	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	94500	47300	10	11/01/13 20:31	11/13/13 00:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	94500	94500	10	11/01/13 20:31	11/13/13 00:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	117-81-7	
Fluoranthene	**9790J**	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	206-44-0	
Fluorene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	19500	19500	10	11/01/13 20:31	11/13/13 00:39	77-47-4	
Hexachloroethane	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	193-39-5	
Isophorone	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	78-59-1	
2-Methylnaphthalene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	39000	19500	10	11/01/13 20:31	11/13/13 00:39		
Naphthalene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	91-20-3	
2-Nitroaniline	ND	ug/kg	94500	47300	10	11/01/13 20:31	11/13/13 00:39	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB10(0-2)-103113 **Lab ID: 5089243011** Collected: 10/31/13 14:45 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	94500	47300	10	11/01/13 20:31	11/13/13 00:39	99-09-2	
4-Nitroaniline	ND	ug/kg	94500	47300	10	11/01/13 20:31	11/13/13 00:39	100-01-6	
Nitrobenzene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	98-95-3	
2-Nitrophenol	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	88-75-5	
4-Nitrophenol	ND	ug/kg	94500	47300	10	11/01/13 20:31	11/13/13 00:39	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	86-30-6	
Phenanthrene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	85-01-8	
Phenol	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	108-95-2	1d
Pyrene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%.	28-101		10	11/01/13 20:31	11/13/13 00:39	4165-60-0	
2-Fluorobiphenyl (S)	77	%.	31-94		10	11/01/13 20:31	11/13/13 00:39	321-60-8	
p-Terphenyl-d14 (S)	87	%.	26-110		10	11/01/13 20:31	11/13/13 00:39	1718-51-0	
Phenol-d5 (S)	71	%.	28-101		10	11/01/13 20:31	11/13/13 00:39	4165-62-2	
2-Fluorophenol (S)	76	%.	24-104		10	11/01/13 20:31	11/13/13 00:39	367-12-4	
2,4,6-Tribromophenol (S)	76	%.	16-122		10	11/01/13 20:31	11/13/13 00:39	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.12	0.060	1		11/11/13 19:27	67-64-1	
Acrolein	ND	mg/kg	0.12	0.060	1		11/11/13 19:27	107-02-8	
Benzene	ND	mg/kg	0.0060	0.0012	1		11/11/13 19:27	71-43-2	
Bromobenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	108-86-1	
Bromochloromethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-27-4	
Bromoform	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-25-2	
Bromomethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.030	0.014	1		11/11/13 19:27	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	98-06-6	
Carbon disulfide	ND	mg/kg	0.012	0.0030	1		11/11/13 19:27	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	56-23-5	
Chlorobenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	108-90-7	
Chloroethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-00-3	
Chloroform	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	67-66-3	
Chloromethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	124-48-1	
Dibromomethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB10(0-2)-103113 **Lab ID: 5089243011** Collected: 10/31/13 14:45 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.12	0.060	1		11/11/13 19:27	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0060	0.0012	1		11/11/13 19:27	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.12	0.060	1		11/11/13 19:27	97-63-2	
n-Hexane	**0.0050J**	mg/kg	0.0060	0.0030	1		11/11/13 19:27	110-54-3	N2
2-Hexanone	ND	mg/kg	0.12	0.060	1		11/11/13 19:27	591-78-6	
Iodomethane	ND	mg/kg	0.12	0.060	1		11/11/13 19:27	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	99-87-6	
Methylene Chloride	ND	mg/kg	0.024	0.012	1		11/11/13 19:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.030	0.014	1		11/11/13 19:27	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	103-65-1	
Styrene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0060	0.0012	1		11/11/13 19:27	127-18-4	
Toluene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	79-00-5	
Trichloroethene	ND	mg/kg	0.0060	0.0012	1		11/11/13 19:27	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-69-4	
1,2,4-Trimethylbenzene	**0.0051J**	mg/kg	0.0060	0.0030	1		11/11/13 19:27	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	108-67-8	
Vinyl acetate	ND	mg/kg	0.12	0.060	1		11/11/13 19:27	108-05-4	
Vinyl chloride	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-01-4	
Xylene (Total)	ND	mg/kg	0.012	0.0060	1		11/11/13 19:27	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	100	%.	85-118		1		11/11/13 19:27	1868-53-7	
Toluene-d8 (S)	101	%.	71-128		1		11/11/13 19:27	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB10(0-2)-103113 **Lab ID: 5089243011** Collected: 10/31/13 14:45 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	97	%.	56-144		1		11/11/13 19:27	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.4**	%	0.10	0.10	1		11/01/13 15:09		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

Sample: FAW-SB05(6-8)-103113EB **Lab ID: 5089269001** Collected: 10/31/13 10:10 Received: 11/01/13 18:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:04	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:04	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:04	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:04	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:04	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:04	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:04	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	72	%.	32-115		1	11/05/13 10:55	11/05/13 19:04	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Aluminum	ND	ug/L	1000	500	1	11/05/13 08:12	11/06/13 10:00	7429-90-5	
Antimony	ND	ug/L	6.0	4.1	1	11/05/13 08:12	11/06/13 10:00	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:00	7440-38-2	
Barium	ND	ug/L	100	10.0	1	11/05/13 08:12	11/06/13 10:00	7440-39-3	
Beryllium	ND	ug/L	4.0	2.0	1	11/05/13 08:12	11/06/13 10:00	7440-41-7	
Cadmium	ND	ug/L	5.0	2.5	1	11/05/13 08:12	11/06/13 10:00	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:00	7440-47-3	
Cobalt	ND	ug/L	50.0	25.0	1	11/05/13 08:12	11/06/13 10:00	7440-48-4	
Copper	ND	ug/L	20.0	10.0	1	11/05/13 08:12	11/06/13 10:00	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	11/05/13 08:12	11/06/13 10:00	7439-92-1	
Nickel	ND	ug/L	50.0	10.0	1	11/05/13 08:12	11/06/13 10:00	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:00	7782-49-2	
Silver	ND	ug/L	50.0	25.0	1	11/05/13 08:12	11/06/13 10:00	7440-22-4	
Thallium	ND	ug/L	2.0	2.0	1	11/09/13 14:26	11/11/13 13:27	7440-28-0	
Vanadium	ND	ug/L	50.0	25.0	1	11/05/13 08:12	11/06/13 10:00	7440-62-2	
Zinc	ND	ug/L	50.0	20.0	1	11/05/13 08:12	11/06/13 10:00	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1.0	1	11/05/13 10:15	11/06/13 13:48	7439-97-6	
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	83-32-9	
Acenaphthylene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	208-96-8	
Anthracene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	207-08-9	
Chrysene	ND	ug/L	0.52	0.26	1	11/04/13 10:52	11/05/13 03:22	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	53-70-3	
Fluoranthene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	206-44-0	
Fluorene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	193-39-5	
2-Methylnaphthalene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	91-57-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

Sample: FAW-SB05(6-8)-103113EB **Lab ID: 5089269001** Collected: 10/31/13 10:10 Received: 11/01/13 18:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Naphthalene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	91-20-3	
Phenanthrene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	85-01-8	
Pyrene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	75	%.	21-114		1	11/04/13 10:52	11/05/13 03:22	321-60-8	
p-Terphenyl-d14 (S)	95	%.	25-131		1	11/04/13 10:52	11/05/13 03:22	1718-51-0	
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzyl alcohol	ND	ug/L	20.6	10.3	1	11/04/13 10:52	11/04/13 19:36	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.6	10.3	1	11/04/13 10:52	11/04/13 19:36	59-50-7	
4-Chloroaniline	ND	ug/L	20.6	10.3	1	11/04/13 10:52	11/04/13 19:36	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.2	3.5	1	11/04/13 10:52	11/04/13 19:36	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	91-58-7	
2-Chlorophenol	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	7005-72-3	
Dibenzofuran	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	132-64-9	
2,4-Dichlorophenol	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	120-83-2	
Diethylphthalate	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	105-67-9	
Dimethylphthalate	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	51.5	25.8	1	11/04/13 10:52	11/04/13 19:36	534-52-1	
2,4-Dinitrophenol	ND	ug/L	51.5	51.5	1	11/04/13 10:52	11/04/13 19:36	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	2.6	1	11/04/13 10:52	11/04/13 19:36	117-81-7	
Hexachlorocyclopentadiene	ND	ug/L	20.6	20.6	1	11/04/13 10:52	11/04/13 19:36	77-47-4	
Hexachloroethane	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	67-72-1	
Isophorone	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.6	10.3	1	11/04/13 10:52	11/04/13 19:36		
2-Nitroaniline	ND	ug/L	51.5	25.8	1	11/04/13 10:52	11/04/13 19:36	88-74-4	
3-Nitroaniline	ND	ug/L	51.5	25.8	1	11/04/13 10:52	11/04/13 19:36	99-09-2	
4-Nitroaniline	ND	ug/L	51.5	25.8	1	11/04/13 10:52	11/04/13 19:36	100-01-6	
Nitrobenzene	ND	ug/L	5.2	5.2	1	11/04/13 10:52	11/04/13 19:36	98-95-3	
2-Nitrophenol	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	88-75-5	
4-Nitrophenol	ND	ug/L	51.5	51.5	1	11/04/13 10:52	11/04/13 19:36	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	86-30-6	
Phenol	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	95-95-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

Sample: FAW-SB05(6-8)-103113EB **Lab ID: 5089269001** Collected: 10/31/13 10:10 Received: 11/01/13 18:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2,4,6-Trichlorophenol	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	71	%.	29-126		1	11/04/13 10:52	11/04/13 19:36	4165-60-0	
Phenol-d5 (S)	15	%.	10-47		1	11/04/13 10:52	11/04/13 19:36	4165-62-2	
2-Fluorophenol (S)	33	%.	10-67		1	11/04/13 10:52	11/04/13 19:36	367-12-4	
2,4,6-Tribromophenol (S)	87	%.	31-161		1	11/04/13 10:52	11/04/13 19:36	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/13 18:33	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/13 18:33	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/13 18:33	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/13 18:33	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/12/13 18:33	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/12/13 18:33	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/12/13 18:33	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/13 18:33	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/13 18:33	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/12/13 18:33	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	124-48-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

Sample: FAW-SB05(6-8)-103113EB **Lab ID: 5089269001** Collected: 10/31/13 10:10 Received: 11/01/13 18:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dibromomethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/12/13 18:33	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/12/13 18:33	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/13 18:33	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/13 18:33	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-09-2	
Styrene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/13 18:33	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/13 18:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/12/13 18:33	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/13 18:33	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/13 18:33	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/12/13 18:33	110-57-6	
Surrogates									
Dibromofluoromethane (S)	96	%.	79-116		1		11/12/13 18:33	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114		1		11/12/13 18:33	460-00-4	
Toluene-d8 (S)	97	%.	81-110		1		11/12/13 18:33	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(0-2)-103113 **Lab ID: 5089270001** Collected: 10/31/13 08:38 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**489**	mg/kg	221	55.3	10	11/04/13 12:32	11/05/13 11:31		
TPH (C10-C20)	ND	mg/kg	111	55.3	10	11/04/13 12:32	11/05/13 11:31		
TPH (C20-C34)	**456**	mg/kg	111	55.3	10	11/04/13 12:32	11/05/13 11:31		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 11:31	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	112	56.0	1	11/04/13 12:39	11/05/13 15:02	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	112	56.0	1	11/04/13 12:39	11/05/13 15:02	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	112	56.0	1	11/04/13 12:39	11/05/13 15:02	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	112	56.0	1	11/04/13 12:39	11/05/13 15:02	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	112	56.0	1	11/04/13 12:39	11/05/13 15:02	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	112	56.0	1	11/04/13 12:39	11/05/13 15:02	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	112	56.0	1	11/04/13 12:39	11/05/13 15:02	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	53	%.	30-106		1	11/04/13 12:39	11/05/13 15:02	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**9950**	mg/kg J	52.6	26.3	1	11/04/13 09:26	11/05/13 10:33	7429-90-5	
Antimony	**9.2**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-36-0	
Arsenic	**13.6**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-38-2	
Barium	**942**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-39-3	
Beryllium	**0.81**	mg/kg	0.53	0.26	1	11/04/13 09:26	11/05/13 10:33	7440-41-7	
Cadmium	**6.0**	mg/kg	2.1	0.53	1	11/04/13 09:26	11/05/13 10:33	7440-43-9	
Chromium	**26.8**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-47-3	
Cobalt	**7.7**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-48-4	
Copper	**794**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-50-8	
Lead	**2520**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7439-92-1	
Nickel	**47.7**	mg/kg J	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-02-0	
Selenium	ND	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7782-49-2	
Silver	ND	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-22-4	
Thallium	**1.1J**	mg/kg J	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-28-0	
Vanadium	**20.4**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-62-2	
Zinc	**1660**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.49**	mg/kg	0.22	0.19	1	11/06/13 11:11	11/07/13 15:07	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	83-32-9	
Acenaphthylene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	208-96-8	
Anthracene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	120-12-7	
Benzo(a)anthracene	**233J**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	56-55-3	
Benzo(a)pyrene	ND	ug/kg	191	185	1	11/04/13 12:32	11/14/13 16:14	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(0-2)-103113 **Lab ID: 5089270001** Collected: 10/31/13 08:38 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**416**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	205-99-2	
Benzo(g,h,i)perylene	**186J**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	191-24-2	
Benzo(k)fluoranthene	**397**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	207-08-9	
Benzyl alcohol	ND	ug/kg	740	370	1	11/04/13 12:32	11/14/13 16:14	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	101-55-3	
Butylbenzylphthalate	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	740	370	1	11/04/13 12:32	11/14/13 16:14	59-50-7	
4-Chloroaniline	ND	ug/kg	740	370	1	11/04/13 12:32	11/14/13 16:14	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	108-60-1	
2-Chloronaphthalene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	91-58-7	
2-Chlorophenol	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	7005-72-3	
Chrysene	**297J**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	191	185	1	11/04/13 12:32	11/14/13 16:14	53-70-3	
Dibenzofuran	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	120-83-2	
Diethylphthalate	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	105-67-9	
Dimethylphthalate	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	131-11-3	
Di-n-butylphthalate	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1790	897	1	11/04/13 12:32	11/14/13 16:14	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1790	1790	1	11/04/13 12:32	11/14/13 16:14	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	606-20-2	
Di-n-octylphthalate	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	117-81-7	
Fluoranthene	**428**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	206-44-0	
Fluorene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	370	370	1	11/04/13 12:32	11/14/13 16:14	77-47-4	
Hexachloroethane	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	67-72-1	
Indeno(1,2,3-cd)pyrene	**186J**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	193-39-5	
Isophorone	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	78-59-1	
2-Methylnaphthalene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	740	370	1	11/04/13 12:32	11/14/13 16:14		
Naphthalene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	91-20-3	
2-Nitroaniline	ND	ug/kg	1790	897	1	11/04/13 12:32	11/14/13 16:14	88-74-4	
3-Nitroaniline	ND	ug/kg	1790	897	1	11/04/13 12:32	11/14/13 16:14	99-09-2	
4-Nitroaniline	ND	ug/kg	1790	897	1	11/04/13 12:32	11/14/13 16:14	100-01-6	
Nitrobenzene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	98-95-3	
2-Nitrophenol	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	88-75-5	
4-Nitrophenol	ND	ug/kg	1790	897	1	11/04/13 12:32	11/14/13 16:14	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(0-2)-103113 **Lab ID: 5089270001** Collected: 10/31/13 08:38 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	86-30-6	
Phenanthrene	**280J**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	85-01-8	
Phenol	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	108-95-2	
Pyrene	**376**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	54	%.	28-101		1	11/04/13 12:32	11/14/13 16:14	4165-60-0	
2-Fluorobiphenyl (S)	56	%.	31-94		1	11/04/13 12:32	11/14/13 16:14	321-60-8	
p-Terphenyl-d14 (S)	61	%.	26-110		1	11/04/13 12:32	11/14/13 16:14	1718-51-0	
Phenol-d5 (S)	51	%.	28-101		1	11/04/13 12:32	11/14/13 16:14	4165-62-2	
2-Fluorophenol (S)	53	%.	24-104		1	11/04/13 12:32	11/14/13 16:14	367-12-4	
2,4,6-Tribromophenol (S)	55	%.	16-122		1	11/04/13 12:32	11/14/13 16:14	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.8**	%	0.10	0.10	1		11/04/13 15:40		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.7**	Std. Units	0.10		1		11/04/13 12:53		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-TB07-103113 **Lab ID: 5089270002** Collected: 10/31/13 08:38 Received: 11/01/13 18:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/11/13 21:53	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/11/13 21:53	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/11/13 21:53	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/11/13 21:53	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/11/13 21:53	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/11/13 21:53	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/11/13 21:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/11/13 21:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/11/13 21:53	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/11/13 21:53	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/11/13 21:53	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/11/13 21:53	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/11/13 21:53	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-TB07-103113 **Lab ID: 5089270002** Collected: 10/31/13 08:38 Received: 11/01/13 18:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/11/13 21:53	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.0	1		11/11/13 21:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/11/13 21:53	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/11/13 21:53	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/11/13 21:53	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/11/13 21:53	110-57-6	
Surrogates									
Dibromofluoromethane (S)	110	%.	79-116		1		11/11/13 21:53	1868-53-7	
4-Bromofluorobenzene (S)	95	%.	80-114		1		11/11/13 21:53	460-00-4	
Toluene-d8 (S)	96	%.	81-110		1		11/11/13 21:53	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(2-4)-103113 **Lab ID: 5089270003** Collected: 10/31/13 08:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**12.0J**	mg/kg	21.9	5.5	1	11/04/13 12:32	11/05/13 11:38		
TPH (C10-C20)	ND	mg/kg	10.9	5.5	1	11/04/13 12:32	11/05/13 11:38		
TPH (C20-C34)	**10.8J**	mg/kg	10.9	5.5	1	11/04/13 12:32	11/05/13 11:38		
Surrogates									
n-Pentacosane (S)	97	%.	30-153		1	11/04/13 12:32	11/05/13 11:38	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	108	54.2	1	11/04/13 12:39	11/05/13 15:08	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	108	54.2	1	11/04/13 12:39	11/05/13 15:08	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	108	54.2	1	11/04/13 12:39	11/05/13 15:08	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	108	54.2	1	11/04/13 12:39	11/05/13 15:08	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	108	54.2	1	11/04/13 12:39	11/05/13 15:08	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	108	54.2	1	11/04/13 12:39	11/05/13 15:08	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	108	54.2	1	11/04/13 12:39	11/05/13 15:08	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	64	%.	30-106		1	11/04/13 12:39	11/05/13 15:08	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**8850**	mg/kg	47.1	23.6	1	11/04/13 09:26	11/05/13 10:44	7429-90-5	
Antimony	ND	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-36-0	
Arsenic	**8.6**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-38-2	
Barium	**51.8**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-39-3	
Beryllium	**0.39J**	mg/kg	0.47	0.24	1	11/04/13 09:26	11/05/13 10:44	7440-41-7	
Cadmium	ND	mg/kg	1.9	0.47	1	11/04/13 09:26	11/05/13 10:44	7440-43-9	
Chromium	**12.1**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-47-3	
Cobalt	**6.0**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-48-4	
Copper	**20.3**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-50-8	
Lead	**71.8**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7439-92-1	
Nickel	**16.9**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-02-0	
Selenium	ND	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7782-49-2	
Silver	ND	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-22-4	
Thallium	ND	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-28-0	
Vanadium	**18.3**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-62-2	
Zinc	**78.9**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.21J**	mg/kg	0.22	0.19	1	11/06/13 11:11	11/07/13 15:17	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	83-32-9	
Acenaphthylene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	208-96-8	
Anthracene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	184	178	1	11/04/13 12:32	11/13/13 02:39	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(2-4)-103113 **Lab ID: 5089270003** Collected: 10/31/13 08:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	207-08-9	
Benzyl alcohol	ND	ug/kg	713	356	1	11/04/13 12:32	11/13/13 02:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	101-55-3	
Butylbenzylphthalate	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	713	356	1	11/04/13 12:32	11/13/13 02:39	59-50-7	
4-Chloroaniline	ND	ug/kg	713	356	1	11/04/13 12:32	11/13/13 02:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	108-60-1	
2-Chloronaphthalene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	91-58-7	
2-Chlorophenol	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	7005-72-3	
Chrysene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	184	178	1	11/04/13 12:32	11/13/13 02:39	53-70-3	
Dibenzofuran	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	120-83-2	
Diethylphthalate	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	105-67-9	
Dimethylphthalate	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	131-11-3	
Di-n-butylphthalate	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1730	864	1	11/04/13 12:32	11/13/13 02:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1730	1730	1	11/04/13 12:32	11/13/13 02:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	117-81-7	
Fluoranthene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	206-44-0	
Fluorene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	356	356	1	11/04/13 12:32	11/13/13 02:39	77-47-4	
Hexachloroethane	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	193-39-5	
Isophorone	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	78-59-1	
2-Methylnaphthalene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	713	356	1	11/04/13 12:32	11/13/13 02:39		
Naphthalene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	91-20-3	
2-Nitroaniline	ND	ug/kg	1730	864	1	11/04/13 12:32	11/13/13 02:39	88-74-4	
3-Nitroaniline	ND	ug/kg	1730	864	1	11/04/13 12:32	11/13/13 02:39	99-09-2	
4-Nitroaniline	ND	ug/kg	1730	864	1	11/04/13 12:32	11/13/13 02:39	100-01-6	
Nitrobenzene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	98-95-3	
2-Nitrophenol	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	88-75-5	
4-Nitrophenol	ND	ug/kg	1730	864	1	11/04/13 12:32	11/13/13 02:39	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(2-4)-103113 **Lab ID: 5089270003** Collected: 10/31/13 08:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	86-30-6	
Phenanthrene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	85-01-8	
Phenol	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	108-95-2	
Pyrene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	67	%.	28-101		1	11/04/13 12:32	11/13/13 02:39	4165-60-0	
2-Fluorobiphenyl (S)	66	%.	31-94		1	11/04/13 12:32	11/13/13 02:39	321-60-8	
p-Terphenyl-d14 (S)	76	%.	26-110		1	11/04/13 12:32	11/13/13 02:39	1718-51-0	
Phenol-d5 (S)	73	%.	28-101		1	11/04/13 12:32	11/13/13 02:39	4165-62-2	
2-Fluorophenol (S)	78	%.	24-104		1	11/04/13 12:32	11/13/13 02:39	367-12-4	
2,4,6-Tribromophenol (S)	78	%.	16-122		1	11/04/13 12:32	11/13/13 02:39	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.6**	%	0.10	0.10	1		11/04/13 15:40		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(8-10)-103113 **Lab ID: 5089270004** Collected: 10/31/13 09:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**202J**	mg/kg	217	54.2	10	11/04/13 12:32	11/05/13 11:44		
TPH (C10-C20)	**61.6J**	mg/kg	108	54.2	10	11/04/13 12:32	11/05/13 11:44		
TPH (C20-C34)	**140**	mg/kg	108	54.2	10	11/04/13 12:32	11/05/13 11:44		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 11:44	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	108	53.8	1	11/04/13 12:39	11/05/13 15:14	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	108	53.8	1	11/04/13 12:39	11/05/13 15:14	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	108	53.8	1	11/04/13 12:39	11/05/13 15:14	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	108	53.8	1	11/04/13 12:39	11/05/13 15:14	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	108	53.8	1	11/04/13 12:39	11/05/13 15:14	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	108	53.8	1	11/04/13 12:39	11/05/13 15:14	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	108	53.8	1	11/04/13 12:39	11/05/13 15:14	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	51	%.	30-106		1	11/04/13 12:39	11/05/13 15:14	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7350**	mg/kg	47.8	23.9	1	11/04/13 09:26	11/05/13 10:46	7429-90-5	
Antimony	ND	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-36-0	
Arsenic	**8.7**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-38-2	
Barium	**48.9**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-39-3	
Beryllium	**0.58**	mg/kg	0.48	0.24	1	11/04/13 09:26	11/05/13 10:46	7440-41-7	
Cadmium	ND	mg/kg	1.9	0.48	1	11/04/13 09:26	11/05/13 10:46	7440-43-9	
Chromium	**11.2**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-47-3	
Cobalt	**6.1**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-48-4	
Copper	**26.9**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-50-8	
Lead	**82.8**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7439-92-1	
Nickel	**16.8**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-02-0	
Selenium	ND	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7782-49-2	
Silver	ND	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-22-4	
Thallium	ND	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-28-0	
Vanadium	**18.1**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-62-2	
Zinc	**77.8**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.23**	mg/kg	0.22	0.18	1	11/06/13 11:11	11/07/13 15:19	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**4790**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	83-32-9	
Acenaphthylene	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	208-96-8	
Anthracene	**9330**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	120-12-7	
Benzo(a)anthracene	**9700**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	56-55-3	
Benzo(a)pyrene	**8350**	ug/kg	1840	1780	10	11/04/13 12:32	11/13/13 10:19	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(8-10)-103113 **Lab ID: 5089270004** Collected: 10/31/13 09:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**9340**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	205-99-2	
Benzo(g,h,i)perylene	**4990**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	191-24-2	
Benzo(k)fluoranthene	**4150**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	207-08-9	
Benzyl alcohol	ND	ug/kg	7130	3560	10	11/04/13 12:32	11/13/13 10:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7130	3560	10	11/04/13 12:32	11/13/13 10:19	59-50-7	
4-Chloroaniline	ND	ug/kg	7130	3560	10	11/04/13 12:32	11/13/13 10:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	91-58-7	
2-Chlorophenol	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	7005-72-3	
Chrysene	**8090**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1840	1780	10	11/04/13 12:32	11/13/13 10:19	53-70-3	
Dibenzofuran	**4440**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	120-83-2	
Diethylphthalate	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	105-67-9	
Dimethylphthalate	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17300	8640	10	11/04/13 12:32	11/13/13 10:19	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17300	17300	10	11/04/13 12:32	11/13/13 10:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	117-81-7	
Fluoranthene	**23700**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	206-44-0	
Fluorene	**5160**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3560	3560	10	11/04/13 12:32	11/13/13 10:19	77-47-4	
Hexachloroethane	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	67-72-1	
Indeno(1,2,3-cd)pyrene	**4450**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	193-39-5	
Isophorone	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	78-59-1	
2-Methylnaphthalene	**2180J**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7130	3560	10	11/04/13 12:32	11/13/13 10:19		
Naphthalene	**5450**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	91-20-3	
2-Nitroaniline	ND	ug/kg	17300	8640	10	11/04/13 12:32	11/13/13 10:19	88-74-4	
3-Nitroaniline	ND	ug/kg	17300	8640	10	11/04/13 12:32	11/13/13 10:19	99-09-2	
4-Nitroaniline	ND	ug/kg	17300	8640	10	11/04/13 12:32	11/13/13 10:19	100-01-6	
Nitrobenzene	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	98-95-3	
2-Nitrophenol	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	88-75-5	
4-Nitrophenol	ND	ug/kg	17300	8640	10	11/04/13 12:32	11/13/13 10:19	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(8-10)-103113 **Lab ID: 5089270004** Collected: 10/31/13 09:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	86-30-6	
Phenanthrene	**32500**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	85-01-8	
Phenol	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	108-95-2	1d
Pyrene	**18200**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	72	%.	28-101		10	11/04/13 12:32	11/13/13 10:19	4165-60-0	
2-Fluorobiphenyl (S)	75	%.	31-94		10	11/04/13 12:32	11/13/13 10:19	321-60-8	
p-Terphenyl-d14 (S)	85	%.	26-110		10	11/04/13 12:32	11/13/13 10:19	1718-51-0	
Phenol-d5 (S)	71	%.	28-101		10	11/04/13 12:32	11/13/13 10:19	4165-62-2	
2-Fluorophenol (S)	73	%.	24-104		10	11/04/13 12:32	11/13/13 10:19	367-12-4	
2,4,6-Tribromophenol (S)	80	%.	16-122		10	11/04/13 12:32	11/13/13 10:19	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.0**	%	0.10	0.10	1		11/04/13 15:41		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(0-2)-103113 **Lab ID: 5089270005** Collected: 10/31/13 09:20 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**230**	mg/kg	226	56.4	10	11/04/13 12:32	11/05/13 11:51		
TPH (C10-C20)	ND	mg/kg	113	56.4	10	11/04/13 12:32	11/05/13 11:51		
TPH (C20-C34)	**224**	mg/kg	113	56.4	10	11/04/13 12:32	11/05/13 11:51		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 11:51	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1120	560	10	11/04/13 12:39	11/05/13 15:20	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1120	560	10	11/04/13 12:39	11/05/13 15:20	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1120	560	10	11/04/13 12:39	11/05/13 15:20	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1120	560	10	11/04/13 12:39	11/05/13 15:20	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1120	560	10	11/04/13 12:39	11/05/13 15:20	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1120	560	10	11/04/13 12:39	11/05/13 15:20	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1120	560	10	11/04/13 12:39	11/05/13 15:20	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/04/13 12:39	11/05/13 15:20	877-09-8	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**6140**	mg/kg	48.4	24.2	1	11/04/13 09:26	11/05/13 10:53	7429-90-5	
Antimony	**2.9**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-36-0	
Arsenic	**97.0**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-38-2	
Barium	**55.7**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-39-3	
Beryllium	**0.48J**	mg/kg	0.48	0.24	1	11/04/13 09:26	11/05/13 10:53	7440-41-7	
Cadmium	**2.1**	mg/kg	1.9	0.48	1	11/04/13 09:26	11/05/13 10:53	7440-43-9	
Chromium	**66.9**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-47-3	
Cobalt	**4.8**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-48-4	
Copper	**47.3**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-50-8	
Lead	**134**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7439-92-1	
Nickel	**26.9**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-02-0	
Selenium	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7782-49-2	
Silver	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-22-4	
Thallium	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-28-0	
Vanadium	**72.1**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-62-2	
Zinc	**341**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	0.20	1	11/06/13 11:11	11/07/13 15:21	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	83-32-9	
Acenaphthylene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	208-96-8	
Anthracene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	120-12-7	
Benzo(a)anthracene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	56-55-3	
Benzo(a)pyrene	ND	ug/kg	9520	9240	10	11/04/13 12:32	11/13/13 16:27	50-32-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(0-2)-103113 **Lab ID: 5089270005** Collected: 10/31/13 09:20 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	207-08-9	
Benzyl alcohol	ND	ug/kg	37000	18500	10	11/04/13 12:32	11/13/13 16:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	101-55-3	
Butylbenzylphthalate	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	37000	18500	10	11/04/13 12:32	11/13/13 16:27	59-50-7	
4-Chloroaniline	ND	ug/kg	37000	18500	10	11/04/13 12:32	11/13/13 16:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	108-60-1	
2-Chloronaphthalene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	91-58-7	
2-Chlorophenol	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	7005-72-3	
Chrysene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	9520	9240	10	11/04/13 12:32	11/13/13 16:27	53-70-3	
Dibenzofuran	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	120-83-2	
Diethylphthalate	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	105-67-9	
Dimethylphthalate	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	131-11-3	
Di-n-butylphthalate	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	89600	44800	10	11/04/13 12:32	11/13/13 16:27	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	89600	89600	10	11/04/13 12:32	11/13/13 16:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	606-20-2	
Di-n-octylphthalate	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	117-81-7	
Fluoranthene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	206-44-0	
Fluorene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	18500	18500	10	11/04/13 12:32	11/13/13 16:27	77-47-4	
Hexachloroethane	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	193-39-5	
Isophorone	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	78-59-1	
2-Methylnaphthalene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	37000	18500	10	11/04/13 12:32	11/13/13 16:27		
Naphthalene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	91-20-3	
2-Nitroaniline	ND	ug/kg	89600	44800	10	11/04/13 12:32	11/13/13 16:27	88-74-4	
3-Nitroaniline	ND	ug/kg	89600	44800	10	11/04/13 12:32	11/13/13 16:27	99-09-2	
4-Nitroaniline	ND	ug/kg	89600	44800	10	11/04/13 12:32	11/13/13 16:27	100-01-6	
Nitrobenzene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	98-95-3	
2-Nitrophenol	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	88-75-5	
4-Nitrophenol	ND	ug/kg	89600	44800	10	11/04/13 12:32	11/13/13 16:27	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(0-2)-103113 **Lab ID: 5089270005** Collected: 10/31/13 09:20 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	86-30-6	
Phenanthrene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	85-01-8	
Phenol	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	108-95-2	1d,P3
Pyrene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	0	%.	28-101		10	11/04/13 12:32	11/13/13 16:27	4165-60-0	S4
2-Fluorobiphenyl (S)	0	%.	31-94		10	11/04/13 12:32	11/13/13 16:27	321-60-8	S4
p-Terphenyl-d14 (S)	0	%.	26-110		10	11/04/13 12:32	11/13/13 16:27	1718-51-0	S4
Phenol-d5 (S)	0	%.	28-101		10	11/04/13 12:32	11/13/13 16:27	4165-62-2	S4
2-Fluorophenol (S)	0	%.	24-104		10	11/04/13 12:32	11/13/13 16:27	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%.	16-122		10	11/04/13 12:32	11/13/13 16:27	118-79-6	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.6**	%	0.10	0.10	1		11/04/13 15:41		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.2**	Std. Units	0.10		1		11/04/13 12:54		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(2-4)-103113 **Lab ID: 5089270006** Collected: 10/31/13 09:25 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**503**	mg/kg	237	59.2	10	11/04/13 12:32	11/05/13 11:58		
TPH (C10-C20)	ND	mg/kg	118	59.2	10	11/04/13 12:32	11/05/13 11:58		
TPH (C20-C34)	**488**	mg/kg	118	59.2	10	11/04/13 12:32	11/05/13 11:58		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 11:58	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/05/13 15:26	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/05/13 15:26	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/05/13 15:26	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/05/13 15:26	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/05/13 15:26	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/05/13 15:26	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/05/13 15:26	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/04/13 12:39	11/05/13 15:26	877-09-8	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**9030**	mg/kg	57.2	28.6	1	11/04/13 09:26	11/05/13 10:55	7429-90-5	
Antimony	ND	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-36-0	
Arsenic	**107**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-38-2	
Barium	**128**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-39-3	
Beryllium	**0.53J**	mg/kg	0.57	0.29	1	11/04/13 09:26	11/05/13 10:55	7440-41-7	
Cadmium	**3.1**	mg/kg	2.3	0.57	1	11/04/13 09:26	11/05/13 10:55	7440-43-9	
Chromium	**284**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-47-3	
Cobalt	**7.5**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-48-4	
Copper	**198**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-50-8	
Lead	**290**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7439-92-1	
Nickel	**30.2**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-02-0	
Selenium	ND	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7782-49-2	
Silver	ND	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-22-4	
Thallium	ND	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-28-0	
Vanadium	**94.5**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-62-2	
Zinc	**729**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	0.20	1	11/06/13 11:11	11/07/13 15:23	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	83-32-9	
Acenaphthylene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	208-96-8	
Anthracene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	56-55-3	
Benzo(a)pyrene	ND	ug/kg	2020	1960	10	11/04/13 12:32	11/13/13 16:07	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(2-4)-103113 **Lab ID: 5089270006** Collected: 10/31/13 09:25 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	207-08-9	
Benzyl alcohol	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 16:07	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 16:07	59-50-7	
4-Chloroaniline	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 16:07	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	91-58-7	
2-Chlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	7005-72-3	
Chrysene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2020	1960	10	11/04/13 12:32	11/13/13 16:07	53-70-3	
Dibenzofuran	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	120-83-2	
Diethylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	105-67-9	
Dimethylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19000	9510	10	11/04/13 12:32	11/13/13 16:07	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19000	19000	10	11/04/13 12:32	11/13/13 16:07	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	117-84-0	
bis(2-Ethylhexyl)phthalate	**13500**	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	117-81-7	
Fluoranthene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	206-44-0	
Fluorene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3920	3920	10	11/04/13 12:32	11/13/13 16:07	77-47-4	
Hexachloroethane	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	193-39-5	
Isophorone	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 16:07		
Naphthalene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	91-20-3	
2-Nitroaniline	ND	ug/kg	19000	9510	10	11/04/13 12:32	11/13/13 16:07	88-74-4	
3-Nitroaniline	ND	ug/kg	19000	9510	10	11/04/13 12:32	11/13/13 16:07	99-09-2	
4-Nitroaniline	ND	ug/kg	19000	9510	10	11/04/13 12:32	11/13/13 16:07	100-01-6	
Nitrobenzene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	98-95-3	
2-Nitrophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	88-75-5	
4-Nitrophenol	ND	ug/kg	19000	9510	10	11/04/13 12:32	11/13/13 16:07	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(2-4)-103113 **Lab ID: 5089270006** Collected: 10/31/13 09:25 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	86-30-6	
Phenanthrene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	85-01-8	
Phenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	108-95-2	1d
Pyrene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	53	%.	28-101		10	11/04/13 12:32	11/13/13 16:07	4165-60-0	
2-Fluorobiphenyl (S)	56	%.	31-94		10	11/04/13 12:32	11/13/13 16:07	321-60-8	
p-Terphenyl-d14 (S)	73	%.	26-110		10	11/04/13 12:32	11/13/13 16:07	1718-51-0	
Phenol-d5 (S)	57	%.	28-101		10	11/04/13 12:32	11/13/13 16:07	4165-62-2	
2-Fluorophenol (S)	57	%.	24-104		10	11/04/13 12:32	11/13/13 16:07	367-12-4	
2,4,6-Tribromophenol (S)	58	%.	16-122		10	11/04/13 12:32	11/13/13 16:07	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.4**	%	0.10	0.10	1		11/04/13 15:41		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(6-8)-103113 **Lab ID: 5089270007** Collected: 10/31/13 09:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**1070**	mg/kg	111	27.7	5	11/04/13 12:32	11/05/13 12:04		
TPH (C10-C20)	**152**	mg/kg	55.4	27.7	5	11/04/13 12:32	11/05/13 12:04		
TPH (C20-C34)	**915**	mg/kg	55.4	27.7	5	11/04/13 12:32	11/05/13 12:04		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		5	11/04/13 12:32	11/05/13 12:04	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	110	55.2	1	11/04/13 12:39	11/05/13 15:32	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	110	55.2	1	11/04/13 12:39	11/05/13 15:32	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	110	55.2	1	11/04/13 12:39	11/05/13 15:32	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	110	55.2	1	11/04/13 12:39	11/05/13 15:32	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	110	55.2	1	11/04/13 12:39	11/05/13 15:32	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	110	55.2	1	11/04/13 12:39	11/05/13 15:32	11097-69-1	
PCB-1260 (Aroclor 1260)	**205**	ug/kg	110	55.2	1	11/04/13 12:39	11/05/13 15:32	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	40	%.	30-106		1	11/04/13 12:39	11/05/13 15:32	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.94	0.47	1		11/08/13 04:31		
Surrogates									
4-Bromofluorobenzene (S)	92	%.	38-163		1		11/08/13 04:31	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7300**	mg/kg	53.4	26.7	1	11/04/13 09:26	11/05/13 10:57	7429-90-5	
Antimony	**3.7**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-36-0	
Arsenic	**10.5**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-38-2	
Barium	**201**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-39-3	
Beryllium	**0.39J**	mg/kg	0.53	0.27	1	11/04/13 09:26	11/05/13 10:57	7440-41-7	
Cadmium	**1.9J**	mg/kg	2.1	0.53	1	11/04/13 09:26	11/05/13 10:57	7440-43-9	
Chromium	**15.1**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-47-3	
Cobalt	**5.5**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-48-4	
Copper	**63.9**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-50-8	
Lead	**212**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7439-92-1	
Nickel	**20.7**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-02-0	
Selenium	ND	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7782-49-2	
Silver	ND	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-22-4	
Thallium	ND	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-28-0	
Vanadium	**16.8**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-62-2	
Zinc	**524**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	0.20	1	11/06/13 11:11	11/07/13 15:25	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(6-8)-103113 **Lab ID: 5089270007** Collected: 10/31/13 09:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	83-32-9	
Acenaphthylene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	208-96-8	
Anthracene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	120-12-7	
Benzo(a)anthracene	**3540J**	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	56-55-3	
Benzo(a)pyrene	**2840**	ug/kg	1880	1830	10	11/04/13 12:32	11/13/13 09:59	50-32-8	
Benzo(b)fluoranthene	**4870**	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	191-24-2	
Benzo(k)fluoranthene	**4380**	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	207-08-9	
Benzyl alcohol	ND	ug/kg	7310	3650	10	11/04/13 12:32	11/13/13 09:59	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7310	3650	10	11/04/13 12:32	11/13/13 09:59	59-50-7	
4-Chloroaniline	ND	ug/kg	7310	3650	10	11/04/13 12:32	11/13/13 09:59	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	91-58-7	
2-Chlorophenol	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	7005-72-3	
Chrysene	**3220J**	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1880	1830	10	11/04/13 12:32	11/13/13 09:59	53-70-3	
Dibenzofuran	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	120-83-2	
Diethylphthalate	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	105-67-9	
Dimethylphthalate	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17700	8860	10	11/04/13 12:32	11/13/13 09:59	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17700	17700	10	11/04/13 12:32	11/13/13 09:59	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	117-81-7	
Fluoranthene	**6850**	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	206-44-0	
Fluorene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3650	3650	10	11/04/13 12:32	11/13/13 09:59	77-47-4	
Hexachloroethane	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	193-39-5	
Isophorone	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7310	3650	10	11/04/13 12:32	11/13/13 09:59		
Naphthalene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	91-20-3	
2-Nitroaniline	ND	ug/kg	17700	8860	10	11/04/13 12:32	11/13/13 09:59	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(6-8)-103113 **Lab ID: 5089270007** Collected: 10/31/13 09:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	17700	8860	10	11/04/13 12:32	11/13/13 09:59	99-09-2	
4-Nitroaniline	ND	ug/kg	17700	8860	10	11/04/13 12:32	11/13/13 09:59	100-01-6	
Nitrobenzene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	98-95-3	
2-Nitrophenol	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	88-75-5	
4-Nitrophenol	ND	ug/kg	17700	8860	10	11/04/13 12:32	11/13/13 09:59	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	86-30-6	
Phenanthrene	**5930**	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	85-01-8	
Phenol	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	108-95-2	1d
Pyrene	**5280**	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	56	%.	28-101		10	11/04/13 12:32	11/13/13 09:59	4165-60-0	
2-Fluorobiphenyl (S)	61	%.	31-94		10	11/04/13 12:32	11/13/13 09:59	321-60-8	
p-Terphenyl-d14 (S)	69	%.	26-110		10	11/04/13 12:32	11/13/13 09:59	1718-51-0	
Phenol-d5 (S)	50	%.	28-101		10	11/04/13 12:32	11/13/13 09:59	4165-62-2	
2-Fluorophenol (S)	27	%.	24-104		10	11/04/13 12:32	11/13/13 09:59	367-12-4	
2,4,6-Tribromophenol (S)	0	%.	16-122		10	11/04/13 12:32	11/13/13 09:59	118-79-6	S4
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.052	0.026	1		11/12/13 08:05	67-64-1	
Acrolein	ND	mg/kg	0.052	0.026	1		11/12/13 08:05	107-02-8	
Benzene	ND	mg/kg	0.0026	0.00052	1		11/12/13 08:05	71-43-2	
Bromobenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	108-86-1	
Bromochloromethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0026	0.0014	1		11/12/13 08:05	75-27-4	
Bromoform	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	75-25-2	
Bromomethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.013	0.0062	1		11/12/13 08:05	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	98-06-6	
Carbon disulfide	ND	mg/kg	0.0052	0.0027	1		11/12/13 08:05	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	56-23-5	
Chlorobenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	108-90-7	
Chloroethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	75-00-3	
Chloroform	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	67-66-3	
Chloromethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	124-48-1	
Dibromomethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(6-8)-103113 **Lab ID: 5089270007** Collected: 10/31/13 09:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.052	0.026	1		11/12/13 08:05	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0026	0.0014	1		11/12/13 08:05	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0026	0.0014	1		11/12/13 08:05	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.052	0.026	1		11/12/13 08:05	97-63-2	
n-Hexane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	110-54-3	N2
2-Hexanone	ND	mg/kg	0.052	0.026	1		11/12/13 08:05	591-78-6	
Iodomethane	ND	mg/kg	0.052	0.026	1		11/12/13 08:05	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	99-87-6	
Methylene Chloride	ND	mg/kg	0.010	0.0052	1		11/12/13 08:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.013	0.0062	1		11/12/13 08:05	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	103-65-1	
Styrene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0026	0.00068	1		11/12/13 08:05	127-18-4	
Toluene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	79-00-5	
Trichloroethene	**0.045**	mg/kg	0.0026	0.00052	1		11/12/13 08:05	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	75-69-4	
1,2,4-Trimethylbenzene	**0.0065**	mg/kg	0.0026	0.0013	1		11/12/13 08:05	95-63-6	
1,3,5-Trimethylbenzene	**0.0026**	mg/kg	0.0026	0.0013	1		11/12/13 08:05	108-67-8	
Vinyl acetate	ND	mg/kg	0.052	0.026	1		11/12/13 08:05	108-05-4	
Vinyl chloride	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	75-01-4	
Xylene (Total)	ND	mg/kg	0.0052	0.0026	1		11/12/13 08:05	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	122	%.	85-118		1		11/12/13 08:05	1868-53-7	4d
Toluene-d8 (S)	100	%.	71-128		1		11/12/13 08:05	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(6-8)-103113 **Lab ID: 5089270007** Collected: 10/31/13 09:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	86	%.	56-144		1		11/12/13 08:05	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10**	%	0.10	0.10	1		11/04/13 15:41		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(0-2)-103113 **Lab ID: 5089270008** Collected: 10/31/13 10:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**503**	mg/kg	237	59.3	10	11/04/13 12:32	11/05/13 12:11		
TPH (C10-C20)	ND	mg/kg	119	59.3	10	11/04/13 12:32	11/05/13 12:11		
TPH (C20-C34)	**451**	mg/kg	119	59.3	10	11/04/13 12:32	11/05/13 12:11		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 12:11	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	595	297	5	11/04/13 12:39	11/07/13 17:13	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	595	297	5	11/04/13 12:39	11/07/13 17:13	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	595	297	5	11/04/13 12:39	11/07/13 17:13	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	595	297	5	11/04/13 12:39	11/07/13 17:13	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	595	297	5	11/04/13 12:39	11/07/13 17:13	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	595	297	5	11/04/13 12:39	11/07/13 17:13	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	595	297	5	11/04/13 12:39	11/07/13 17:13	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	50	%.	30-106		5	11/04/13 12:39	11/07/13 17:13	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.1	0.54	1		11/08/13 04:56		
Surrogates									
4-Bromofluorobenzene (S)	115	%.	38-163		1		11/08/13 04:56	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**8100**	mg/kg	55.7	27.8	1	11/04/13 09:26	11/05/13 10:59	7429-90-5	
Antimony	**3.6**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-36-0	
Arsenic	**16.4**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-38-2	
Barium	**271**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-39-3	
Beryllium	**0.75**	mg/kg	0.56	0.28	1	11/04/13 09:26	11/05/13 10:59	7440-41-7	
Cadmium	**12.7**	mg/kg	2.2	0.56	1	11/04/13 09:26	11/05/13 10:59	7440-43-9	
Chromium	**35.8**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-47-3	
Cobalt	**6.6**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-48-4	
Copper	**241**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-50-8	
Lead	**735**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7439-92-1	
Nickel	**59.8**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7782-49-2	
Silver	**1.2J**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-28-0	
Vanadium	**22.4**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-62-2	
Zinc	**2160**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.49**	mg/kg	0.24	0.21	1	11/06/13 11:11	11/07/13 15:27	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(0-2)-103113 **Lab ID: 5089270008** Collected: 10/31/13 10:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	83-32-9	
Acenaphthylene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	208-96-8	
Anthracene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	56-55-3	
Benzo(a)pyrene	ND	ug/kg	2020	1960	10	11/04/13 12:32	11/13/13 16:47	50-32-8	
Benzo(b)fluoranthene	**2960J**	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	191-24-2	
Benzo(k)fluoranthene	**2660J**	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	207-08-9	
Benzyl alcohol	ND	ug/kg	7830	3910	10	11/04/13 12:32	11/13/13 16:47	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7830	3910	10	11/04/13 12:32	11/13/13 16:47	59-50-7	
4-Chloroaniline	ND	ug/kg	7830	3910	10	11/04/13 12:32	11/13/13 16:47	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	91-58-7	
2-Chlorophenol	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	7005-72-3	
Chrysene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2020	1960	10	11/04/13 12:32	11/13/13 16:47	53-70-3	
Dibenzofuran	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	120-83-2	
Diethylphthalate	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	105-67-9	
Dimethylphthalate	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19000	9490	10	11/04/13 12:32	11/13/13 16:47	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19000	19000	10	11/04/13 12:32	11/13/13 16:47	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	117-84-0	
bis(2-Ethylhexyl)phthalate	**2210J**	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	117-81-7	
Fluoranthene	**4070**	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	206-44-0	
Fluorene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3910	3910	10	11/04/13 12:32	11/13/13 16:47	77-47-4	
Hexachloroethane	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	193-39-5	
Isophorone	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7830	3910	10	11/04/13 12:32	11/13/13 16:47		
Naphthalene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	91-20-3	
2-Nitroaniline	ND	ug/kg	19000	9490	10	11/04/13 12:32	11/13/13 16:47	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(0-2)-103113 **Lab ID: 5089270008** Collected: 10/31/13 10:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	19000	9490	10	11/04/13 12:32	11/13/13 16:47	99-09-2	
4-Nitroaniline	ND	ug/kg	19000	9490	10	11/04/13 12:32	11/13/13 16:47	100-01-6	
Nitrobenzene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	98-95-3	
2-Nitrophenol	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	88-75-5	
4-Nitrophenol	ND	ug/kg	19000	9490	10	11/04/13 12:32	11/13/13 16:47	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	86-30-6	
Phenanthrene	**4330**	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	85-01-8	
Phenol	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	108-95-2	1d
Pyrene	**3050J**	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	55	%.	28-101		10	11/04/13 12:32	11/13/13 16:47	4165-60-0	
2-Fluorobiphenyl (S)	58	%.	31-94		10	11/04/13 12:32	11/13/13 16:47	321-60-8	
p-Terphenyl-d14 (S)	64	%.	26-110		10	11/04/13 12:32	11/13/13 16:47	1718-51-0	
Phenol-d5 (S)	56	%.	28-101		10	11/04/13 12:32	11/13/13 16:47	4165-62-2	
2-Fluorophenol (S)	54	%.	24-104		10	11/04/13 12:32	11/13/13 16:47	367-12-4	
2,4,6-Tribromophenol (S)	61	%.	16-122		10	11/04/13 12:32	11/13/13 16:47	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.12	0.059	1		11/12/13 08:44	67-64-1	
Acrolein	ND	mg/kg	0.12	0.059	1		11/12/13 08:44	107-02-8	
Benzene	ND	mg/kg	0.0059	0.0012	1		11/12/13 08:44	71-43-2	
Bromobenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	108-86-1	
Bromochloromethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0059	0.0031	1		11/12/13 08:44	75-27-4	
Bromoform	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	75-25-2	
Bromomethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.030	0.014	1		11/12/13 08:44	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	98-06-6	
Carbon disulfide	ND	mg/kg	0.012	0.0060	1		11/12/13 08:44	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	56-23-5	
Chlorobenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	108-90-7	
Chloroethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	75-00-3	
Chloroform	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	67-66-3	
Chloromethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	124-48-1	
Dibromomethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(0-2)-103113 **Lab ID: 5089270008** Collected: 10/31/13 10:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.12	0.059	1		11/12/13 08:44	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0059	0.0031	1		11/12/13 08:44	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0059	0.0032	1		11/12/13 08:44	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.12	0.059	1		11/12/13 08:44	97-63-2	
n-Hexane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	110-54-3	N2
2-Hexanone	ND	mg/kg	0.12	0.059	1		11/12/13 08:44	591-78-6	
Iodomethane	ND	mg/kg	0.12	0.059	1		11/12/13 08:44	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	99-87-6	
Methylene Chloride	ND	mg/kg	0.024	0.012	1		11/12/13 08:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.030	0.014	1		11/12/13 08:44	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	103-65-1	
Styrene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0059	0.0015	1		11/12/13 08:44	127-18-4	
Toluene	**0.0045J**	mg/kg	0.0059	0.0030	1		11/12/13 08:44	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	79-00-5	
Trichloroethene	ND	mg/kg	0.0059	0.0012	1		11/12/13 08:44	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	108-67-8	
Vinyl acetate	ND	mg/kg	0.12	0.059	1		11/12/13 08:44	108-05-4	
Vinyl chloride	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	75-01-4	
Xylene (Total)	ND	mg/kg	0.012	0.0059	1		11/12/13 08:44	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	118	%.	85-118		1		11/12/13 08:44	1868-53-7	
Toluene-d8 (S)	116	%.	71-128		1		11/12/13 08:44	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(0-2)-103113 **Lab ID: 5089270008** Collected: 10/31/13 10:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	85	%.	56-144		1		11/12/13 08:44	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.5**	%	0.10	0.10	1		11/04/13 15:41		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.4**	Std. Units	0.10		1		11/04/13 12:55		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(2-4)-103113 **Lab ID: 5089270009** Collected: 10/31/13 10:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**109J**	mg/kg	115	28.7	5	11/04/13 12:32	11/05/13 12:18		
TPH (C10-C20)	ND	mg/kg	57.3	28.7	5	11/04/13 12:32	11/05/13 12:18		
TPH (C20-C34)	**84.7**	mg/kg	57.3	28.7	5	11/04/13 12:32	11/05/13 12:18		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		5	11/04/13 12:32	11/05/13 12:18	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	115	57.3	1	11/04/13 12:39	11/05/13 15:44	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	115	57.3	1	11/04/13 12:39	11/05/13 15:44	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	115	57.3	1	11/04/13 12:39	11/05/13 15:44	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	115	57.3	1	11/04/13 12:39	11/05/13 15:44	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	115	57.3	1	11/04/13 12:39	11/05/13 15:44	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	115	57.3	1	11/04/13 12:39	11/05/13 15:44	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	115	57.3	1	11/04/13 12:39	11/05/13 15:44	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	48	%.	30-106		1	11/04/13 12:39	11/05/13 15:44	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.94	0.47	1		11/08/13 05:21		
Surrogates									
4-Bromofluorobenzene (S)	112	%.	38-163		1		11/08/13 05:21	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7990**	mg/kg	51.5	25.8	1	11/04/13 09:26	11/05/13 11:02	7429-90-5	
Antimony	ND	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-36-0	
Arsenic	**10.9**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-38-2	
Barium	**73.2**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-39-3	
Beryllium	**0.64**	mg/kg	0.52	0.26	1	11/04/13 09:26	11/05/13 11:02	7440-41-7	
Cadmium	**1.2J**	mg/kg	2.1	0.52	1	11/04/13 09:26	11/05/13 11:02	7440-43-9	
Chromium	**13.1**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-47-3	
Cobalt	**6.2**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-48-4	
Copper	**27.2**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-50-8	
Lead	**148**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7439-92-1	
Nickel	**18.4**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-02-0	
Selenium	ND	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7782-49-2	
Silver	ND	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-22-4	
Thallium	ND	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-28-0	
Vanadium	**17.4**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-62-2	
Zinc	**354**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.80**	mg/kg	0.24	0.20	1	11/06/13 11:11	11/07/13 15:29	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(2-4)-103113 **Lab ID: 5089270009** Collected: 10/31/13 10:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**787**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	83-32-9	
Acenaphthylene	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	208-96-8	
Anthracene	**2170**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	120-12-7	
Benzo(a)anthracene	**4060**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	56-55-3	
Benzo(a)pyrene	**3220**	ug/kg	194	189	1	11/04/13 12:32	11/13/13 12:46	50-32-8	
Benzo(b)fluoranthene	**4120**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	205-99-2	
Benzo(g,h,i)perylene	**1620**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	191-24-2	
Benzo(k)fluoranthene	**1560**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	207-08-9	
Benzyl alcohol	ND	ug/kg	754	377	1	11/04/13 12:32	11/13/13 12:46	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	101-55-3	
Butylbenzylphthalate	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	754	377	1	11/04/13 12:32	11/13/13 12:46	59-50-7	
4-Chloroaniline	ND	ug/kg	754	377	1	11/04/13 12:32	11/13/13 12:46	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	108-60-1	
2-Chloronaphthalene	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	91-58-7	
2-Chlorophenol	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	7005-72-3	
Chrysene	**3220**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	218-01-9	
Dibenz(a,h)anthracene	**484**	ug/kg	194	189	1	11/04/13 12:32	11/13/13 12:46	53-70-3	
Dibenzofuran	**471**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	120-83-2	
Diethylphthalate	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	105-67-9	
Dimethylphthalate	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	131-11-3	
Di-n-butylphthalate	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1830	914	1	11/04/13 12:32	11/13/13 12:46	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1830	1830	1	11/04/13 12:32	11/13/13 12:46	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	606-20-2	
Di-n-octylphthalate	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	117-81-7	
Fluoranthene	**8340**	ug/kg	3770	1890	10	11/04/13 12:32	11/14/13 15:53	206-44-0	
Fluorene	**873**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	377	377	1	11/04/13 12:32	11/13/13 12:46	77-47-4	
Hexachloroethane	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	67-72-1	
Indeno(1,2,3-cd)pyrene	**1510**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	193-39-5	
Isophorone	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	78-59-1	
2-Methylnaphthalene	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	754	377	1	11/04/13 12:32	11/13/13 12:46		
Naphthalene	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	91-20-3	
2-Nitroaniline	ND	ug/kg	1830	914	1	11/04/13 12:32	11/13/13 12:46	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(2-4)-103113 **Lab ID: 5089270009** Collected: 10/31/13 10:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1830	914	1	11/04/13 12:32	11/13/13 12:46	99-09-2	
4-Nitroaniline	ND	ug/kg	1830	914	1	11/04/13 12:32	11/13/13 12:46	100-01-6	
Nitrobenzene	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	98-95-3	
2-Nitrophenol	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	88-75-5	
4-Nitrophenol	ND	ug/kg	1830	914	1	11/04/13 12:32	11/13/13 12:46	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	86-30-6	
Phenanthrene	**7530**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	85-01-8	
Phenol	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	108-95-2	
Pyrene	**6520**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	75	%.	28-101		1	11/04/13 12:32	11/13/13 12:46	4165-60-0	
2-Fluorobiphenyl (S)	69	%.	31-94		1	11/04/13 12:32	11/13/13 12:46	321-60-8	
p-Terphenyl-d14 (S)	81	%.	26-110		1	11/04/13 12:32	11/13/13 12:46	1718-51-0	
Phenol-d5 (S)	87	%.	28-101		1	11/04/13 12:32	11/13/13 12:46	4165-62-2	
2-Fluorophenol (S)	86	%.	24-104		1	11/04/13 12:32	11/13/13 12:46	367-12-4	
2,4,6-Tribromophenol (S)	87	%.	16-122		1	11/04/13 12:32	11/13/13 12:46	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.092	0.046	1		11/12/13 09:23	67-64-1	
Acrolein	ND	mg/kg	0.092	0.046	1		11/12/13 09:23	107-02-8	
Benzene	ND	mg/kg	0.0046	0.00092	1		11/12/13 09:23	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	0.0024	1		11/12/13 09:23	75-27-4	
Bromoform	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	0.011	1		11/12/13 09:23	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	98-06-6	
Carbon disulfide	ND	mg/kg	0.0092	0.0047	1		11/12/13 09:23	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	108-90-7	
Chloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	124-48-1	
Dibromomethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(2-4)-103113 **Lab ID: 5089270009** Collected: 10/31/13 10:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.092	0.046	1		11/12/13 09:23	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0024	1		11/12/13 09:23	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0025	1		11/12/13 09:23	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.092	0.046	1		11/12/13 09:23	97-63-2	
n-Hexane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	110-54-3	N2
2-Hexanone	ND	mg/kg	0.092	0.046	1		11/12/13 09:23	591-78-6	
Iodomethane	ND	mg/kg	0.092	0.046	1		11/12/13 09:23	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0092	1		11/12/13 09:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	0.011	1		11/12/13 09:23	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	103-65-1	
Styrene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0012	1		11/12/13 09:23	127-18-4	
Toluene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.00092	1		11/12/13 09:23	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	108-67-8	
Vinyl acetate	ND	mg/kg	0.092	0.046	1		11/12/13 09:23	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	75-01-4	
Xylene (Total)	ND	mg/kg	0.0092	0.0046	1		11/12/13 09:23	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	118	%.	85-118		1		11/12/13 09:23	1868-53-7	
Toluene-d8 (S)	93	%.	71-128		1		11/12/13 09:23	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(2-4)-103113 **Lab ID: 5089270009** Collected: 10/31/13 10:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	103	%.	56-144		1		11/12/13 09:23	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.4**	%	0.10	0.10	1		11/04/13 15:41		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(4-6)-103113 **Lab ID: 5089270010** Collected: 10/31/13 11:07 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**43.4**	mg/kg	22.4	5.6	1	11/04/13 12:32	11/05/13 14:04		
TPH (C10-C20)	**12.1**	mg/kg	11.2	5.6	1	11/04/13 12:32	11/05/13 14:04		
TPH (C20-C34)	**31.3**	mg/kg	11.2	5.6	1	11/04/13 12:32	11/05/13 14:04		
Surrogates									
n-Pentacosane (S)	139	%.	30-153		1	11/04/13 12:32	11/05/13 14:04	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	112	56.1	1	11/04/13 12:39	11/05/13 15:50	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	112	56.1	1	11/04/13 12:39	11/05/13 15:50	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	112	56.1	1	11/04/13 12:39	11/05/13 15:50	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	112	56.1	1	11/04/13 12:39	11/05/13 15:50	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	112	56.1	1	11/04/13 12:39	11/05/13 15:50	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	112	56.1	1	11/04/13 12:39	11/05/13 15:50	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	112	56.1	1	11/04/13 12:39	11/05/13 15:50	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	47	%.	30-106		1	11/04/13 12:39	11/05/13 15:50	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.86	0.43	1		11/08/13 05:45		
Surrogates									
4-Bromofluorobenzene (S)	93	%.	38-163		1		11/08/13 05:45	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**8410**	mg/kg	48.7	24.4	1	11/04/13 09:26	11/05/13 11:03	7429-90-5	
Antimony	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-36-0	
Arsenic	**10.4**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-38-2	
Barium	**39.7**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-39-3	
Beryllium	**0.42J**	mg/kg	0.49	0.24	1	11/04/13 09:26	11/05/13 11:03	7440-41-7	
Cadmium	ND	mg/kg	1.9	0.49	1	11/04/13 09:26	11/05/13 11:03	7440-43-9	
Chromium	**12.3**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-47-3	
Cobalt	**7.0**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-48-4	
Copper	**31.4**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-50-8	
Lead	**46.8**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7439-92-1	
Nickel	**19.4**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-02-0	
Selenium	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7782-49-2	
Silver	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-22-4	
Thallium	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-28-0	
Vanadium	**18.6**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-62-2	
Zinc	**153**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.22J**	mg/kg	0.24	0.20	1	11/06/13 11:11	11/07/13 15:32	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(4-6)-103113 **Lab ID: 5089270010** Collected: 10/31/13 11:07 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**3720**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	83-32-9	
Acenaphthylene	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	208-96-8	
Anthracene	**9250**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	120-12-7	
Benzo(a)anthracene	**8090**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	56-55-3	
Benzo(a)pyrene	**6250**	ug/kg	1910	1850	10	11/04/13 12:32	11/13/13 12:06	50-32-8	
Benzo(b)fluoranthene	**7450**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	205-99-2	
Benzo(g,h,i)perylene	**3190J**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	191-24-2	
Benzo(k)fluoranthene	**2680J**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	207-08-9	
Benzyl alcohol	ND	ug/kg	7400	3700	10	11/04/13 12:32	11/13/13 12:06	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7400	3700	10	11/04/13 12:32	11/13/13 12:06	59-50-7	
4-Chloroaniline	ND	ug/kg	7400	3700	10	11/04/13 12:32	11/13/13 12:06	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	91-58-7	
2-Chlorophenol	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	7005-72-3	
Chrysene	**7290**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1910	1850	10	11/04/13 12:32	11/13/13 12:06	53-70-3	
Dibenzofuran	**4550**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	120-83-2	
Diethylphthalate	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	105-67-9	
Dimethylphthalate	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17900	8970	10	11/04/13 12:32	11/13/13 12:06	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17900	17900	10	11/04/13 12:32	11/13/13 12:06	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	117-81-7	
Fluoranthene	**21200**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	206-44-0	
Fluorene	**5630**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3700	3700	10	11/04/13 12:32	11/13/13 12:06	77-47-4	
Hexachloroethane	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	67-72-1	
Indeno(1,2,3-cd)pyrene	**3030J**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	193-39-5	
Isophorone	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	78-59-1	
2-Methylnaphthalene	**2480J**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7400	3700	10	11/04/13 12:32	11/13/13 12:06		
Naphthalene	**5490**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	91-20-3	
2-Nitroaniline	ND	ug/kg	17900	8970	10	11/04/13 12:32	11/13/13 12:06	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(4-6)-103113 **Lab ID: 5089270010** Collected: 10/31/13 11:07 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	17900	8970	10	11/04/13 12:32	11/13/13 12:06	99-09-2	
4-Nitroaniline	ND	ug/kg	17900	8970	10	11/04/13 12:32	11/13/13 12:06	100-01-6	
Nitrobenzene	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	98-95-3	
2-Nitrophenol	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	88-75-5	
4-Nitrophenol	ND	ug/kg	17900	8970	10	11/04/13 12:32	11/13/13 12:06	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	86-30-6	
Phenanthrene	**27700**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	85-01-8	
Phenol	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	108-95-2	1d
Pyrene	**16100**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	80	%.	28-101		10	11/04/13 12:32	11/13/13 12:06	4165-60-0	
2-Fluorobiphenyl (S)	75	%.	31-94		10	11/04/13 12:32	11/13/13 12:06	321-60-8	
p-Terphenyl-d14 (S)	105	%.	26-110		10	11/04/13 12:32	11/13/13 12:06	1718-51-0	
Phenol-d5 (S)	87	%.	28-101		10	11/04/13 12:32	11/13/13 12:06	4165-62-2	
2-Fluorophenol (S)	85	%.	24-104		10	11/04/13 12:32	11/13/13 12:06	367-12-4	
2,4,6-Tribromophenol (S)	90	%.	16-122		10	11/04/13 12:32	11/13/13 12:06	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**0.33**	mg/kg	0.093	0.046	1		11/14/13 19:05	67-64-1	
Acrolein	ND	mg/kg	0.093	0.046	1		11/14/13 19:05	107-02-8	
Benzene	**0.0032J**	mg/kg	0.0046	0.00093	1		11/14/13 19:05	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-27-4	
Bromoform	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	74-83-9	
2-Butanone (MEK)	**2.4**	mg/kg	0.023	0.011	1		11/14/13 19:05	78-93-3	3d,E
n-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	98-06-6	
Carbon disulfide	ND	mg/kg	0.0093	0.0023	1		11/14/13 19:05	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	108-90-7	
Chloroethane	**0.049**	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	124-48-1	
Dibromomethane	ND	mg/kg	0.0046	0.0030	1		11/14/13 19:05	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(4-6)-103113 **Lab ID: 5089270010** Collected: 10/31/13 11:07 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.093	0.046	1		11/14/13 19:05	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	10061-02-6	
Ethylbenzene	**0.011**	mg/kg	0.0046	0.0023	1		11/14/13 19:05	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.093	0.046	1		11/14/13 19:05	97-63-2	
n-Hexane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	110-54-3	N2
2-Hexanone	ND	mg/kg	0.093	0.046	1		11/14/13 19:05	591-78-6	
Iodomethane	ND	mg/kg	0.093	0.046	1		11/14/13 19:05	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	99-87-6	
Methylene Chloride	ND	mg/kg	0.019	0.0093	1		11/14/13 19:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	0.011	1		11/14/13 19:05	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0013	1		11/14/13 19:05	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	103-65-1	
Styrene	**0.023**	mg/kg	0.0046	0.0023	1		11/14/13 19:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0018	1		11/14/13 19:05	127-18-4	
Toluene	**0.0092**	mg/kg	0.0046	0.0023	1		11/14/13 19:05	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.0016	1		11/14/13 19:05	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	108-67-8	
Vinyl acetate	ND	mg/kg	0.093	0.046	1		11/14/13 19:05	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-01-4	
Xylene (Total)	**0.023**	mg/kg	0.0093	0.0046	1		11/14/13 19:05	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	93	%.	85-118		1		11/14/13 19:05	1868-53-7	
Toluene-d8 (S)	107	%.	71-128		1		11/14/13 19:05	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(4-6)-103113 **Lab ID: 5089270010** Collected: 10/31/13 11:07 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	98	%.	56-144		1		11/14/13 19:05	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.4**	%	0.10	0.10	1		11/04/13 15:41		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(2-4)-103113 **Lab ID: 5089270011** Collected: 10/31/13 15:00 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**330**	mg/kg	226	56.6	10	11/04/13 12:32	11/05/13 12:31		
TPH (C10-C20)	ND	mg/kg	113	56.6	10	11/04/13 12:32	11/05/13 12:31		
TPH (C20-C34)	**297**	mg/kg	113	56.6	10	11/04/13 12:32	11/05/13 12:31		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 12:31	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1130	564	10	11/04/13 12:39	11/07/13 17:19	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1130	564	10	11/04/13 12:39	11/07/13 17:19	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1130	564	10	11/04/13 12:39	11/07/13 17:19	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1130	564	10	11/04/13 12:39	11/07/13 17:19	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1130	564	10	11/04/13 12:39	11/07/13 17:19	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1130	564	10	11/04/13 12:39	11/07/13 17:19	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1130	564	10	11/04/13 12:39	11/07/13 17:19	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/04/13 12:39	11/07/13 17:19	877-09-8	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**10300**	mg/kg	48.5	24.2	1	11/04/13 09:26	11/05/13 11:05	7429-90-5	
Antimony	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-36-0	
Arsenic	**10.8**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-38-2	
Barium	**139**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-39-3	
Beryllium	**1.2**	mg/kg	0.48	0.24	1	11/04/13 09:26	11/05/13 11:05	7440-41-7	
Cadmium	**0.94J**	mg/kg	1.9	0.48	1	11/04/13 09:26	11/05/13 11:05	7440-43-9	
Chromium	**18.2**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-47-3	
Cobalt	**4.7**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-48-4	
Copper	**64.0**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-50-8	
Lead	**140**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7439-92-1	
Nickel	**29.3**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-02-0	
Selenium	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7782-49-2	
Silver	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-22-4	
Thallium	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-28-0	
Vanadium	**17.6**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-62-2	
Zinc	**196**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	0.20	1	11/06/13 11:11	11/07/13 15:40	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	83-32-9	
Acenaphthylene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	208-96-8	
Anthracene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	120-12-7	
Benzo(a)anthracene	**1960J**	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1900	1840	10	11/04/13 12:32	11/13/13 13:46	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(2-4)-103113 **Lab ID: 5089270011** Collected: 10/31/13 15:00 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**2540J**	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	207-08-9	
Benzyl alcohol	ND	ug/kg	7370	3680	10	11/04/13 12:32	11/13/13 13:46	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7370	3680	10	11/04/13 12:32	11/13/13 13:46	59-50-7	
4-Chloroaniline	ND	ug/kg	7370	3680	10	11/04/13 12:32	11/13/13 13:46	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	91-58-7	
2-Chlorophenol	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	7005-72-3	
Chrysene	**2150J**	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1900	1840	10	11/04/13 12:32	11/13/13 13:46	53-70-3	
Dibenzofuran	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	120-83-2	
Diethylphthalate	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	105-67-9	
Dimethylphthalate	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17900	8930	10	11/04/13 12:32	11/13/13 13:46	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17900	17900	10	11/04/13 12:32	11/13/13 13:46	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	117-81-7	
Fluoranthene	**5160**	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	206-44-0	
Fluorene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3680	3680	10	11/04/13 12:32	11/13/13 13:46	77-47-4	
Hexachloroethane	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	193-39-5	
Isophorone	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7370	3680	10	11/04/13 12:32	11/13/13 13:46		
Naphthalene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	91-20-3	
2-Nitroaniline	ND	ug/kg	17900	8930	10	11/04/13 12:32	11/13/13 13:46	88-74-4	
3-Nitroaniline	ND	ug/kg	17900	8930	10	11/04/13 12:32	11/13/13 13:46	99-09-2	
4-Nitroaniline	ND	ug/kg	17900	8930	10	11/04/13 12:32	11/13/13 13:46	100-01-6	
Nitrobenzene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	98-95-3	
2-Nitrophenol	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	88-75-5	
4-Nitrophenol	ND	ug/kg	17900	8930	10	11/04/13 12:32	11/13/13 13:46	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(2-4)-103113 **Lab ID: 5089270011** Collected: 10/31/13 15:00 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	86-30-6	
Phenanthrene	**3600J**	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	85-01-8	
Phenol	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	108-95-2	1d
Pyrene	**3980**	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	54	%.	28-101		10	11/04/13 12:32	11/13/13 13:46	4165-60-0	
2-Fluorobiphenyl (S)	56	%.	31-94		10	11/04/13 12:32	11/13/13 13:46	321-60-8	
p-Terphenyl-d14 (S)	73	%.	26-110		10	11/04/13 12:32	11/13/13 13:46	1718-51-0	
Phenol-d5 (S)	59	%.	28-101		10	11/04/13 12:32	11/13/13 13:46	4165-62-2	
2-Fluorophenol (S)	60	%.	24-104		10	11/04/13 12:32	11/13/13 13:46	367-12-4	
2,4,6-Tribromophenol (S)	53	%.	16-122		10	11/04/13 12:32	11/13/13 13:46	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.6**	%	0.10	0.10	1		11/04/13 15:41		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(4-6)-103113 **Lab ID: 5089270012** Collected: 10/31/13 15:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**3790**	mg/kg	1100	274	10	11/04/13 12:32	11/05/13 12:38		
TPH (C10-C20)	**864**	mg/kg	549	274	10	11/04/13 12:32	11/05/13 12:38		
TPH (C20-C34)	**2920**	mg/kg	549	274	10	11/04/13 12:32	11/05/13 12:38		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 12:38	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1100	549	10	11/04/13 12:39	11/07/13 17:25	12674-11-2	S4
PCB-1221 (Aroclor 1221)	ND	ug/kg	1100	549	10	11/04/13 12:39	11/07/13 17:25	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1100	549	10	11/04/13 12:39	11/07/13 17:25	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1100	549	10	11/04/13 12:39	11/07/13 17:25	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1100	549	10	11/04/13 12:39	11/07/13 17:25	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1100	549	10	11/04/13 12:39	11/07/13 17:25	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1100	549	10	11/04/13 12:39	11/07/13 17:25	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/04/13 12:39	11/07/13 17:25	877-09-8	D3
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.3	0.65	1		11/08/13 06:10		
Surrogates									
4-Bromofluorobenzene (S)	92	%.	38-163		1		11/08/13 06:10	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**4730**	mg/kg	51.6	25.8	1	11/04/13 09:26	11/05/13 11:08	7429-90-5	
Antimony	**3.3**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-36-0	
Arsenic	**12.7**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-38-2	
Barium	**126**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-39-3	
Beryllium	**0.70**	mg/kg	0.52	0.26	1	11/04/13 09:26	11/05/13 11:08	7440-41-7	
Cadmium	**4.9**	mg/kg	2.1	0.52	1	11/04/13 09:26	11/05/13 11:08	7440-43-9	
Chromium	**23.1**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-47-3	
Cobalt	**3.3**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-48-4	
Copper	**119**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-50-8	
Lead	**399**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7439-92-1	
Nickel	**40.3**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-02-0	
Selenium	ND	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7782-49-2	
Silver	ND	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-22-4	
Thallium	ND	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-28-0	
Vanadium	**10.8**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-62-2	
Zinc	**582**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.24**	mg/kg	0.22	0.19	1	11/06/13 11:11	11/07/13 15:42	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(4-6)-103113 **Lab ID: 5089270012** Collected: 10/31/13 15:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**3530J**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	83-32-9	
Acenaphthylene	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	208-96-8	
Anthracene	**7320**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	120-12-7	
Benzo(a)anthracene	**11400**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	56-55-3	
Benzo(a)pyrene	**10100**	ug/kg	1870	1810	10	11/04/13 12:32	11/13/13 15:06	50-32-8	
Benzo(b)fluoranthene	**12800**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	205-99-2	
Benzo(g,h,i)perylene	**5330**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	191-24-2	
Benzo(k)fluoranthene	**5980**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	207-08-9	
Benzyl alcohol	ND	ug/kg	7240	3620	10	11/04/13 12:32	11/13/13 15:06	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	101-55-3	
Butylbenzylphthalate	**2560J**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7240	3620	10	11/04/13 12:32	11/13/13 15:06	59-50-7	
4-Chloroaniline	ND	ug/kg	7240	3620	10	11/04/13 12:32	11/13/13 15:06	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	91-58-7	
2-Chlorophenol	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	7005-72-3	
Chrysene	**11500**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1870	1810	10	11/04/13 12:32	11/13/13 15:06	53-70-3	
Dibenzofuran	**2470J**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	120-83-2	
Diethylphthalate	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	105-67-9	
Dimethylphthalate	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17600	8780	10	11/04/13 12:32	11/13/13 15:06	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17600	17600	10	11/04/13 12:32	11/13/13 15:06	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	117-81-7	
Fluoranthene	**26100**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	206-44-0	
Fluorene	**3400J**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3620	3620	10	11/04/13 12:32	11/13/13 15:06	77-47-4	
Hexachloroethane	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	67-72-1	
Indeno(1,2,3-cd)pyrene	**4880**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	193-39-5	
Isophorone	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7240	3620	10	11/04/13 12:32	11/13/13 15:06		
Naphthalene	**1860J**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	91-20-3	
2-Nitroaniline	ND	ug/kg	17600	8780	10	11/04/13 12:32	11/13/13 15:06	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(4-6)-103113 **Lab ID: 5089270012** Collected: 10/31/13 15:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	17600	8780	10	11/04/13 12:32	11/13/13 15:06	99-09-2	
4-Nitroaniline	ND	ug/kg	17600	8780	10	11/04/13 12:32	11/13/13 15:06	100-01-6	
Nitrobenzene	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	98-95-3	
2-Nitrophenol	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	88-75-5	
4-Nitrophenol	ND	ug/kg	17600	8780	10	11/04/13 12:32	11/13/13 15:06	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	86-30-6	
Phenanthrene	**25000**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	85-01-8	
Phenol	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	108-95-2	1d
Pyrene	**20800**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	30	%.	28-101		10	11/04/13 12:32	11/13/13 15:06	4165-60-0	
2-Fluorobiphenyl (S)	32	%.	31-94		10	11/04/13 12:32	11/13/13 15:06	321-60-8	
p-Terphenyl-d14 (S)	37	%.	26-110		10	11/04/13 12:32	11/13/13 15:06	1718-51-0	
Phenol-d5 (S)	28	%.	28-101		10	11/04/13 12:32	11/13/13 15:06	4165-62-2	
2-Fluorophenol (S)	28	%.	24-104		10	11/04/13 12:32	11/13/13 15:06	367-12-4	
2,4,6-Tribromophenol (S)	28	%.	16-122		10	11/04/13 12:32	11/13/13 15:06	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.12	0.058	1		11/12/13 10:42	67-64-1	
Acrolein	ND	mg/kg	0.12	0.058	1		11/12/13 10:42	107-02-8	
Benzene	ND	mg/kg	0.0058	0.0012	1		11/12/13 10:42	71-43-2	
Bromobenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	108-86-1	
Bromochloromethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0058	0.0030	1		11/12/13 10:42	75-27-4	
Bromoform	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	75-25-2	
Bromomethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.029	0.014	1		11/12/13 10:42	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	98-06-6	
Carbon disulfide	ND	mg/kg	0.012	0.0059	1		11/12/13 10:42	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	56-23-5	
Chlorobenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	108-90-7	
Chloroethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	75-00-3	
Chloroform	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	67-66-3	
Chloromethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	124-48-1	
Dibromomethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(4-6)-103113 **Lab ID: 5089270012** Collected: 10/31/13 15:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.12	0.058	1		11/12/13 10:42	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0058	0.0030	1		11/12/13 10:42	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0058	0.0031	1		11/12/13 10:42	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.12	0.058	1		11/12/13 10:42	97-63-2	
n-Hexane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	110-54-3	N2
2-Hexanone	ND	mg/kg	0.12	0.058	1		11/12/13 10:42	591-78-6	
Iodomethane	ND	mg/kg	0.12	0.058	1		11/12/13 10:42	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	99-87-6	
Methylene Chloride	ND	mg/kg	0.023	0.012	1		11/12/13 10:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.029	0.014	1		11/12/13 10:42	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	103-65-1	
Styrene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0058	0.0015	1		11/12/13 10:42	127-18-4	
Toluene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	79-00-5	
Trichloroethene	ND	mg/kg	0.0058	0.0012	1		11/12/13 10:42	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	108-67-8	
Vinyl acetate	ND	mg/kg	0.12	0.058	1		11/12/13 10:42	108-05-4	
Vinyl chloride	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	75-01-4	
Xylene (Total)	ND	mg/kg	0.012	0.0058	1		11/12/13 10:42	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	128	%.	85-118		1		11/12/13 10:42	1868-53-7	S3
Toluene-d8 (S)	151	%.	71-128		1		11/12/13 10:42	2037-26-5	S3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(4-6)-103113 **Lab ID: 5089270012** Collected: 10/31/13 15:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	68	%.	56-144		1		11/12/13 10:42	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.8**	%	0.10	0.10	1		11/04/13 15:42		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.1**	Std. Units	0.10		1		11/04/13 12:56		

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Due to the viscosity of the extract, it was run at 10x. KES 11-14-13
2d	RPD is outside control limits due to sample non-homogeneity. FRW 11-5-13
3d	Sample results from a 25x dilution did not confirm. grm 11-18-13
4d	Surrogate recovery high outside laboratory control limits (confirmed by re-analysis). BJG 11-5-13
5d	The surrogate recovery exceeds the upper limit due to significant contribution from the target analyte. CEM 11/05/13
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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FORMER FULTON AUTO WRECKING PROPERTY
CLEVELAND, CUYAHOGA COUNTY, OHIO
DATA VALIDATION REPORT

Date: December 5, 2013
Laboratory: Pace Analytical Services, Inc. (Pace), Indianapolis, Indiana
Laboratory Project #: 5089280, 5089281, 5089283, 5089354, and 5089445
Data Validation Performed By: Lisa Graczyk, Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START)
Weston Work Order #: 20405.012.008.2234.00

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for 9 soil samples, 6 water samples, 3 trip blanks and 1 equipment blank collected for the Former Fulton Auto Wrecking Property (Fulton) Site that were analyzed for the following parameters and U.S. Environmental Protection Agency methods:

- Volatile Organic Compounds (VOC) by SW-846 Method 8260
- Toxicity Characteristic Leaching Procedure (TCLP) VOCs by SW-846 Methods 1311 and 8260
- Semivolatile Organic Carbons (SVOC) by SW-846 Method 8270
- TCLP SVOCs by SW-846 Methods 1311 and 8270
- Polychlorinated Biphenyls (PCB) by SW-846 Method 8082
- Total Petroleum Hydrocarbons (TPH) by SW-846 Method 8015
- Metals by SW-846 Methods 6010 and 7471
- TCLP Metals by SW-846 Methods 1311, 6010, and 7470
- Flashpoint by SW-846 Method 1010
- pH by SW-846 Method 9045

A level II data package was requested from Pace. The data validation was conducted in general accordance with the EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated June 2008 and "Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review" dated January 2010. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089280, 5089281, 5089283, 5089354, and 5089445

VOCs BY SW-846 METHOD 8260 AND TCLP VOCS BY SW-846 METHODS 1311 AND 8260

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-SB08(8-10)-110113	5089280003	Soil	11/1/2013	11/12/2013
FAW-MW02b(2-4)-110113	5089280008	Soil	11/1/2013	11/12/2013
FAW-TB12-110113	5089280009	Water	11/1/2013	11/13/2013
FAW-IDW03-110113	5089280010	Soil	11/1/2013	11/13/2013
FAW-IDW04-110113	5089281001	Water	11/1/2013	11/13/2013
FAW-MW02b(2-4)-110113EB	5089283001	Water	11/1/2013	11/13/2013
FAW-MW01-110413	5089354001	Water	11/4/2013	11/12/2013
FAW-TB13-110413	5089354002	Water	11/4/2013	11/12/2013
FAW-MW02-110413	5089354003	Water	11/4/2013	11/12/2013
FAW-MW02-110413D	5089354004	Water	11/4/2013	11/12/2013
FAW-MW03-110413	5089445001	Water	11/4/2013	11/13/2013
FAW-TB14-110413	5089445002	Water	11/4/2013	11/13/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection.

3. Blanks

Method blanks, trip blanks, and an equipment blank were analyzed with the VOC analyses. The blanks were free of target analytes above the reporting limits. Methylene chloride was detected one of the method blanks below the reporting limit. Because methylene chloride was not detected in the samples, no qualifications are required.

4. Surrogate Results

The surrogate recovery results were within the laboratory-established quality control (QC) limits.

5. Laboratory Control Sample (LCS) Results

The LCS recoveries were within laboratory QC limits except for as follows.

Bromomethane was detected high, above the QC limit. Because this compound was not detected in the samples, no qualifications were applied.

6. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

A site-specific MS and MSD were analyzed. The percent recoveries and relative percent differences (RPD) were acceptable.

7. Field Duplicate Results

There is one field duplicate identified with a "D" suffix in the sample name. Both the field duplicate and parent sample mostly contained no detections of VOCs indicating good correlation between the samples. The field duplicate did contain one VOC below the reporting limit which was not detected in the parent sample.

8. Overall Assessment

Pace flagged some VOC results with a "J" to indicate that they were detected below the reporting limits. These flags are accepted and this data should be considered estimated.

The VOC data are acceptable for use as qualified based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089280, 5089281, 5089283, 5089354, and 5089445

SVOCs BY SW-846 METHOD 8270 AND TCLP SVOCs BY SW-846 METHODS 1311 AND 8270

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Latest Date Analyzed
FAW-SB08(0-2)-110113	5089280001	Soil	11/1/2013	11/4/2013	11/13/2013
FAW-SB08(2-4)-110113	5089280002	Soil	11/1/2013	11/4/2013	11/13/2013
FAW-SB08(8-10)-110113	5089280003	Soil	11/1/2013	11/4/2013	11/13/2013
FAW-SB09(0-2)-110113	5089280004	Soil	11/1/2013	11/4/2013	11/13/2013
FAW-SB09(0-2)-110113D	5089280005	Soil	11/1/2013	11/4/2013	11/13/2013
FAW-SB09(2-4)-110113	5089280006	Soil	11/1/2013	11/4/2013	11/13/2013
FAW-SB09(8-10)-110113	5089280007	Soil	11/1/2013	11/4/2013	11/13/2013
FAW-MW02b(2-4)-110113	5089280008	Soil	11/1/2013	11/4/2013	11/13/2013
FAW-IDW03-110113	5089280010	Soil	11/1/2013	11/6/2013	11/7/2013
FAW-IDW04-110113	5089281001	Water	11/1/2013	11/4/2013	11/4/2013
FAW-MW02b(2-4)-110113EB	5089283001	Water	11/1/2013	11/4/2013	11/5/2013
FAW-MW01-110413	5089354001	Water	11/4/2013	11/6/2013	11/7/2013
FAW-MW02-110413	5089354003	Water	11/4/2013	11/6/2013	11/7/2013
FAW-MW02-110413D	5089354004	Water	11/4/2013	11/6/2013	11/7/2013
FAW-MW03-110413	5089445001	Water	11/4/2013	11/11/2013	11/14/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction (7 days for water) and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the SVOC analyses. The method blanks were free of target compound contamination above the reporting limits.

4. Surrogate Results

The surrogate recoveries were within the laboratory-established QC limits except for as follows.

In some instances surrogates were not adequately recovered due to sample dilutions. No qualifications are required in these instances.

In sample FAW-IDW04-110113, three of the surrogates had low recoveries. In this sample, compounds associated with the surrogates were qualified. Specifically, the quantitation limits for non-detected results were flagged "UJ" and detected results were flagged "J" as estimated.

5. LCS Results

The percent recoveries for the LCS results were within the laboratory-established QC limits except for as follows.

In work order 5089354, the all LCS recoveries were low in the non-SIM analysis. The SVOCs in this analysis were flagged "J" for detected results and quantitation limits were flagged "UJ" as estimated.

6. MS and MSD Results

Two site-specific MS and MSDs were analyzed. The percent recoveries and RPDs were with QC limits except for as follows. A few RPDs slightly exceeded the QC limit. No qualifications were deemed necessary for this minor discrepancy.

7. Field Duplicate Results

There are two field duplicates identified with a "D" suffix in the sample name.

For field duplicate FAW-SB09(0-2)-110113D, there were significant differences in the sample concentrations between the duplicate and parent sample indicating heterogeneity associated with SVOCs in this sample.

For field duplicate FAW-MW02-110413D , both the field duplicate and parent sample contained no detections of SVOCs.

8. Overall Assessment

Several SVOC results were flagged "J" by the laboratory to indicate that the result is below the reporting limit. These results should be considered estimated.

The SVOC data are acceptable for use as qualified based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089280, 5089281, 5089283, 5089354, and 5089445

PCBs BY U.S. EPA SW-846 METHOD 8082

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
FAW-SB08(0-2)-110113	5089280001	Soil	11/1/2013	11/4/2013	11/5/2013
FAW-SB08(2-4)-110113	5089280002	Soil	11/1/2013	11/4/2013	11/5/2013
FAW-SB08(8-10)-110113	5089280003	Soil	11/1/2013	11/4/2013	11/6/2013
FAW-SB09(0-2)-110113	5089280004	Soil	11/1/2013	11/4/2013	11/7/2013
FAW-SB09(0-2)-110113D	5089280005	Soil	11/1/2013	11/4/2013	11/6/2013
FAW-SB09(2-4)-110113	5089280006	Soil	11/1/2013	11/4/2013	11/6/2013
FAW-SB09(8-10)-110113	5089280007	Soil	11/1/2013	11/4/2013	11/5/2013
FAW-MW02b(2-4)-110113	5089280008	Soil	11/1/2013	11/4/2013	11/5/2013
FAW-IDW04-110113	5089281001	Water	11/1/2013	11/5/2013	11/5/2013
FAW-MW02b(2-4)-110113EB	5089283001	Water	11/1/2013	11/5/2013	11/5/2013
FAW-IDW05-110413	5089445003	Water	11/4/2013	11/7/2013	11/8/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis.

3. Blanks

Method blanks were analyzed with the PCB analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits except for as follows.

In some instances, the surrogates were not recovered due to sample dilution. No qualifications are required in these instances.

In sample FAW-IDW04-110113, the surrogate recovery was low. In this sample, the quantitation limits were flagged “UJ” as estimated.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed. The percent recoveries and RPDs were with QC limits.

7. Field Duplicate Results

There is one field duplicate associated with this work order which is identified with a "D" in the suffix of the sample name. Both the field duplicate and parent sample contained no detections of PCBs indicating good correlation between the samples.

8. Overall Assessment

The PCB data are acceptable for use as qualified based on the information received.

TPH BY SW-846 METHOD 8015

1. Samples

The following table summarizes the samples for which this data validation was conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
FAW-SB08(0-2)-110113	5089280001	Soil	11/1/2013	11/4/2013	11/5/2013
FAW-SB08(2-4)-110113	5089280002	Soil	11/1/2013	11/4/2013	11/5/2013
FAW-SB08(8-10)-110113	5089280003	Soil	11/1/2013	11/4/2013	11/5/2013 – 11/7/2013
FAW-SB09(0-2)-110113	5089280004	Soil	11/1/2013	11/4/2013	11/5/2013
FAW-SB09(0-2)-110113D	5089280005	Soil	11/1/2013	11/4/2013	11/5/2013
FAW-SB09(2-4)-110113	5089280006	Soil	11/1/2013	11/4/2013	11/5/2013
FAW-SB09(8-10)-110113	5089280007	Soil	11/1/2013	11/4/2013	11/5/2013
FAW-MW02b(2-4)-110113	5089280008	Soil	11/1/2013	11/4/2013	11/5/2013 – 11/8/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 14 days from sample collection to extraction and 40 days from extraction to analysis for TPH, TPH (C10-20) and TPH (C20-C34); and 14 days from sample collection to analysis for gasoline range organics (GRO).

3. Blanks

Method blanks were analyzed with the TPH analyses. The method blanks were free of target compound contamination above the reporting limit.

4. Surrogates

The surrogate recoveries were within QC limits except for as follows.

In some instances, Pace did not evaluate the surrogate recoveries due to sample dilution. No qualifications are warranted in these instances.

The detected TPH results for TPH, TPH (C10-C20) and TPH (C20-C34) were flagged "J" as estimated in the following samples because the surrogate recoveries were high: FAW-SB08(0-2)-110113 and FAW-SB08(2-4)110113.

5. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

6. MS and MSD Results

A site-specific MS and MSD were analyzed. The percent recoveries and RPDs were within QC limits.

7. Field Duplicate Results

There is one field duplicate associated with this work order which is identified with a "D" in the suffix of the sample name. RPDs were elevated indicating sample heterogeneity associated with the TPH results in the sample used as the field duplicate, FAW-SB09(0-2)-110113.

8. Overall Assessment

Some TPH results were flagged "J" by the laboratory to indicate that the result is below the reporting limit. These results should be considered estimated.

The TPH data are acceptable for use based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089280, 5089281, 5089283, 5089354, and 5089445

TOTAL METALS BY SW-846 METHODS 6010 AND 7471 AND TCLP METALS BY SW-846 METHODS 1311, 6010, 7470

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-SB08(0-2)-110113	5089280001	Soil	11/1/2013	11/5/2013 – 11/12/2013
FAW-SB08(2-4)-110113	5089280002	Soil	11/1/2013	11/5/2013 – 11/12/2013
FAW-SB08(8-10)-110113	5089280003	Soil	11/1/2013	11/5/2013 – 11/12/2013
FAW-SB09(0-2)-110113	5089280004	Soil	11/1/2013	11/5/2013 – 11/12/2013
FAW-SB09(0-2)-110113D	5089280005	Soil	11/1/2013	11/5/2013 – 11/12/2013
FAW-SB09(2-4)-110113	5089280006	Soil	11/1/2013	11/5/2013 – 11/12/2013
FAW-SB09(8-10)-110113	5089280007	Soil	11/1/2013	11/5/2013 – 11/12/2013
FAW-MW02b(2-4)-110113	5089280008	Soil	11/1/2013	11/5/2013 – 11/12/2013
FAW-IDW03-110113	5089280010	Soil	11/1/2013	11/13/2013 – 11/15/2013
FAW-IDW04-110113	5089281001	Water	11/1/2013	11/6/2013
FAW-MW02b(2-4)-110113EB	5089283001	Water	11/1/2013	11/6/2013
FAW-MW01-110413	5089354001	Water	11/4/2013	11/8/2013
FAW-MW02-110413	5089354003	Water	11/4/2013	11/8/2013
FAW-MW02-110413D	5089354004	Water	11/4/2013	11/8/2013
FAW-MW03-110413	5089445001	Water	11/4/2013	11/12/2013

2. Holding Times

The samples were analyzed within the required holding time limit of 28 days from sample collection to analysis for mercury and 180 days from sample collection to analysis for all other metals.

3. Blank Results

Method blanks were analyzed with the metals analysis. The blanks were free of target analyte contamination above the reporting limits. TCLP barium was detected below the reporting limit in the method blank; however, TCLP barium was not detected in the samples and no qualifications are required.

4. LCS Results

The LCS recoveries were within the laboratory-established QC limits.

5. MS and MSD Results

Two site-specific MS and MSDs were analyzed. The percent recoveries and RPDs were within QC limits except for as follows.

In the MS and/or MSD using sample FAW-SB08(2-4)-110113 as the spike, the following metals were detected low: antimony, lead, and zinc. For these metals in sample FAW-SB08(2-4)-110113, the detected results were flagged "J" and the quantitation limits for non-detected results were flagged "UJ" as estimated.

6. Field Duplicate Results

There are two field duplicates associated with these work orders. The RPDs were calculated for detected metals and ranged from 0 to 36 percent which is acceptable.

7. Overall Assessment

The laboratory flagged some metals results with a "J" to indicate that the result was detected below the reporting limit. These results should be considered estimated.

The metals data are acceptable for use as qualified based on the information received.

Data Validation Report
Former Fulton Auto Wrecking Property
Pace Analytical Services, Inc.
Laboratory Project #: 5089280, 5089281, 5089283, 5089354, and 5089445

GENERAL CHEMISTRY PARAMETERS (Flashpoint by SW-846 Method 1010 and pH by SW-846 Method 9045)

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
FAW-SB08(8-10)-110113	5089280003	Soil	11/1/2013	11/4/2013
FAW-SB09(0-2)-110113	5089280004	Soil	11/1/2013	11/4/2013
FAW-IDW03-110113	5089280010	Soil	11/1/2013	11/7/2013

2. Holding Times

The sample holding times were acceptable.

3. Laboratory Duplicate Results

Laboratory duplicates were analyzed with the pH analyses. The RPDs were within the QC limits.

4. Overall Assessment

The general chemistry parameters are acceptable for use based on the information received.

ATTACHMENT

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RESULTS SUMMARY WITH QUALIFIERS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(0-2)-110113 **Lab ID: 5089280001** Collected: 11/01/13 09:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**108**	mg/kg J	23.5	5.9	1	11/04/13 12:32	11/05/13 14:11		
TPH (C10-C20)	**12.8**	mg/kg J	11.8	5.9	1	11/04/13 12:32	11/05/13 14:11		
TPH (C20-C34)	**95.3**	mg/kg J	11.8	5.9	1	11/04/13 12:32	11/05/13 14:11		
Surrogates									
n-Pentacosane (S)	198	%.	30-153		1	11/04/13 12:32	11/05/13 14:11	629-99-2	4d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	118	58.8	1	11/04/13 12:39	11/05/13 16:07	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	118	58.8	1	11/04/13 12:39	11/05/13 16:07	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	118	58.8	1	11/04/13 12:39	11/05/13 16:07	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	118	58.8	1	11/04/13 12:39	11/05/13 16:07	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	118	58.8	1	11/04/13 12:39	11/05/13 16:07	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	118	58.8	1	11/04/13 12:39	11/05/13 16:07	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	118	58.8	1	11/04/13 12:39	11/05/13 16:07	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	57	%.	30-106		1	11/04/13 12:39	11/05/13 16:07	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**14000**	mg/kg	55.5	27.8	1	11/04/13 09:24	11/05/13 08:52	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-36-0	
Arsenic	**11.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-38-2	
Barium	**181**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-39-3	
Beryllium	**0.69**	mg/kg	0.56	0.28	1	11/04/13 09:24	11/05/13 08:52	7440-41-7	
Cadmium	ND	mg/kg	2.2	0.56	1	11/04/13 09:24	11/05/13 08:52	7440-43-9	
Chromium	**17.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-47-3	
Cobalt	**9.1**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-48-4	
Copper	**20.6**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-50-8	
Lead	**47.7**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7439-92-1	
Nickel	**33.0**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-28-0	
Vanadium	**24.9**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-62-2	
Zinc	**118**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	0.21	1	11/11/13 14:20	11/12/13 11:42	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	83-32-9	
Acenaphthylene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	208-96-8	
Anthracene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1990	1930	10	11/04/13 12:32	11/13/13 14:46	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(0-2)-110113 **Lab ID: 5089280001** Collected: 11/01/13 09:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	207-08-9	
Benzyl alcohol	ND	ug/kg	7730	3870	10	11/04/13 12:32	11/13/13 14:46	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7730	3870	10	11/04/13 12:32	11/13/13 14:46	59-50-7	
4-Chloroaniline	ND	ug/kg	7730	3870	10	11/04/13 12:32	11/13/13 14:46	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	91-58-7	
2-Chlorophenol	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	7005-72-3	
Chrysene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1990	1930	10	11/04/13 12:32	11/13/13 14:46	53-70-3	
Dibenzofuran	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	120-83-2	
Diethylphthalate	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	105-67-9	
Dimethylphthalate	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	18700	9370	10	11/04/13 12:32	11/13/13 14:46	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18700	18700	10	11/04/13 12:32	11/13/13 14:46	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	117-81-7	
Fluoranthene	**1970J**	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	206-44-0	
Fluorene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3870	3870	10	11/04/13 12:32	11/13/13 14:46	77-47-4	
Hexachloroethane	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	193-39-5	
Isophorone	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7730	3870	10	11/04/13 12:32	11/13/13 14:46		
Naphthalene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	91-20-3	
2-Nitroaniline	ND	ug/kg	18700	9370	10	11/04/13 12:32	11/13/13 14:46	88-74-4	
3-Nitroaniline	ND	ug/kg	18700	9370	10	11/04/13 12:32	11/13/13 14:46	99-09-2	
4-Nitroaniline	ND	ug/kg	18700	9370	10	11/04/13 12:32	11/13/13 14:46	100-01-6	
Nitrobenzene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	98-95-3	
2-Nitrophenol	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	88-75-5	
4-Nitrophenol	ND	ug/kg	18700	9370	10	11/04/13 12:32	11/13/13 14:46	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(0-2)-110113 **Lab ID: 5089280001** Collected: 11/01/13 09:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	86-30-6	
Phenanthrene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	85-01-8	
Phenol	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	108-95-2	1d
Pyrene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	60	%.	28-101		10	11/04/13 12:32	11/13/13 14:46	4165-60-0	
2-Fluorobiphenyl (S)	56	%.	31-94		10	11/04/13 12:32	11/13/13 14:46	321-60-8	
p-Terphenyl-d14 (S)	69	%.	26-110		10	11/04/13 12:32	11/13/13 14:46	1718-51-0	
Phenol-d5 (S)	60	%.	28-101		10	11/04/13 12:32	11/13/13 14:46	4165-62-2	
2-Fluorophenol (S)	63	%.	24-104		10	11/04/13 12:32	11/13/13 14:46	367-12-4	
2,4,6-Tribromophenol (S)	56	%.	16-122		10	11/04/13 12:32	11/13/13 14:46	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.5**	%	0.10	0.10	1		11/04/13 15:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(2-4)-110113 **Lab ID: 5089280002** Collected: 11/01/13 09:45 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**70.4**	mg/kg J	23.7	5.9	1	11/04/13 12:32	11/05/13 14:17		
TPH (C10-C20)	**6.4J**	mg/kg J	11.8	5.9	1	11/04/13 12:32	11/05/13 14:17		
TPH (C20-C34)	**64.0**	mg/kg J	11.8	5.9	1	11/04/13 12:32	11/05/13 14:17		
Surrogates									
n-Pentacosane (S)	169	%.	30-153		1	11/04/13 12:32	11/05/13 14:17	629-99-2	4d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	118	20.0	1	11/04/13 12:39	11/05/13 16:13	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	118	20.0	1	11/04/13 12:39	11/05/13 16:13	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	118	20.0	1	11/04/13 12:39	11/05/13 16:13	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	118	20.0	1	11/04/13 12:39	11/05/13 16:13	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	118	20.0	1	11/04/13 12:39	11/05/13 16:13	12672-29-6	
PCB-1254 (Aroclor 1254)	**202**	ug/kg	118	20.0	1	11/04/13 12:39	11/05/13 16:13	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	118	20.0	1	11/04/13 12:39	11/05/13 16:13	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	62	%.	30-106		1	11/04/13 12:39	11/05/13 16:13	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**10300**	mg/kg	54.8	27.4	1	11/04/13 09:24	11/05/13 08:54	7429-90-5	
Antimony	ND	mg/kg UJ	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-36-0	
Arsenic	**12.6**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-38-2	
Barium	**68.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-39-3	
Beryllium	**0.67**	mg/kg	0.55	0.27	1	11/04/13 09:24	11/05/13 08:54	7440-41-7	
Cadmium	ND	mg/kg	2.2	0.55	1	11/04/13 09:24	11/05/13 08:54	7440-43-9	
Chromium	**28.2**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-47-3	
Cobalt	**10.8**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-48-4	
Copper	**41.3**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-50-8	
Lead	**117**	mg/kg J	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7439-92-1	
Nickel	**26.3**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-28-0	
Vanadium	**18.1**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-62-2	
Zinc	**117**	mg/kg J	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.24**	mg/kg	0.24	0.20	1	11/11/13 14:20	11/12/13 11:44	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	83-32-9	
Acenaphthylene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	208-96-8	
Anthracene	**262J**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	120-12-7	
Benzo(a)anthracene	**1070**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	56-55-3	
Benzo(a)pyrene	**1000**	ug/kg	201	195	1	11/04/13 12:32	11/13/13 12:26	50-32-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(2-4)-110113 **Lab ID: 5089280002** Collected: 11/01/13 09:45 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**1520**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	205-99-2	
Benzo(g,h,i)perylene	**584**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	191-24-2	
Benzo(k)fluoranthene	**443**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	207-08-9	
Benzyl alcohol	ND	ug/kg	779	390	1	11/04/13 12:32	11/13/13 12:26	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	101-55-3	
Butylbenzylphthalate	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	779	390	1	11/04/13 12:32	11/13/13 12:26	59-50-7	
4-Chloroaniline	ND	ug/kg	779	390	1	11/04/13 12:32	11/13/13 12:26	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	108-60-1	
2-Chloronaphthalene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	91-58-7	
2-Chlorophenol	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	7005-72-3	
Chrysene	**960**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	201	195	1	11/04/13 12:32	11/13/13 12:26	53-70-3	
Dibenzofuran	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	120-83-2	
Diethylphthalate	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	105-67-9	
Dimethylphthalate	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	131-11-3	
Di-n-butylphthalate	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1890	944	1	11/04/13 12:32	11/13/13 12:26	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	1890	1	11/04/13 12:32	11/13/13 12:26	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	606-20-2	
Di-n-octylphthalate	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	117-81-7	
Fluoranthene	**2170**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	206-44-0	
Fluorene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	390	390	1	11/04/13 12:32	11/13/13 12:26	77-47-4	
Hexachloroethane	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	67-72-1	
Indeno(1,2,3-cd)pyrene	**530**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	193-39-5	
Isophorone	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	78-59-1	
2-Methylnaphthalene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	779	390	1	11/04/13 12:32	11/13/13 12:26		
Naphthalene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	91-20-3	
2-Nitroaniline	ND	ug/kg	1890	944	1	11/04/13 12:32	11/13/13 12:26	88-74-4	
3-Nitroaniline	ND	ug/kg	1890	944	1	11/04/13 12:32	11/13/13 12:26	99-09-2	
4-Nitroaniline	ND	ug/kg	1890	944	1	11/04/13 12:32	11/13/13 12:26	100-01-6	
Nitrobenzene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	98-95-3	
2-Nitrophenol	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	944	1	11/04/13 12:32	11/13/13 12:26	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(2-4)-110113 **Lab ID: 5089280002** Collected: 11/01/13 09:45 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	86-30-6	
Phenanthrene	**1020**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	85-01-8	
Phenol	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	108-95-2	
Pyrene	**1660**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	66	%.	28-101		1	11/04/13 12:32	11/13/13 12:26	4165-60-0	
2-Fluorobiphenyl (S)	65	%.	31-94		1	11/04/13 12:32	11/13/13 12:26	321-60-8	
p-Terphenyl-d14 (S)	81	%.	26-110		1	11/04/13 12:32	11/13/13 12:26	1718-51-0	
Phenol-d5 (S)	77	%.	28-101		1	11/04/13 12:32	11/13/13 12:26	4165-62-2	
2-Fluorophenol (S)	78	%.	24-104		1	11/04/13 12:32	11/13/13 12:26	367-12-4	
2,4,6-Tribromophenol (S)	77	%.	16-122		1	11/04/13 12:32	11/13/13 12:26	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.8**	%	0.10	0.10	1		11/04/13 15:00		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(8-10)-110113 **Lab ID: 5089280003** Collected: 11/01/13 10:00 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**7810**	mg/kg	2470	618	100	11/04/13 12:32	11/05/13 14:37		
TPH (C10-C20)	ND	mg/kg	1240	618	100	11/04/13 12:32	11/05/13 14:37		
TPH (C20-C34)	**7400**	mg/kg	1240	618	100	11/04/13 12:32	11/05/13 14:37		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		100	11/04/13 12:32	11/05/13 14:37	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	2470	1240	20	11/04/13 12:39	11/06/13 14:26	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	2470	1240	20	11/04/13 12:39	11/06/13 14:26	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	2470	1240	20	11/04/13 12:39	11/06/13 14:26	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	2470	1240	20	11/04/13 12:39	11/06/13 14:26	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	2470	1240	20	11/04/13 12:39	11/06/13 14:26	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	2470	1240	20	11/04/13 12:39	11/06/13 14:26	11097-69-1	
PCB-1260 (Aroclor 1260)	**1760J**	ug/kg	2470	1240	20	11/04/13 12:39	11/06/13 14:26	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		20	11/04/13 12:39	11/06/13 14:26	877-09-8	S4
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	**1.1**	mg/kg	0.95	0.47	1		11/07/13 21:44		
Surrogates									
4-Bromofluorobenzene (S)	77	%.	38-163		1		11/07/13 21:44	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**17900**	mg/kg	490	245	10	11/04/13 09:24	11/05/13 10:27	7429-90-5	
Antimony	**203**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-36-0	
Arsenic	**33.4**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-38-2	
Barium	**1360**	mg/kg	19.6	9.8	10	11/04/13 09:24	11/05/13 10:27	7440-39-3	
Beryllium	**1.3**	mg/kg	0.49	0.25	1	11/04/13 09:24	11/05/13 09:52	7440-41-7	
Cadmium	**67.8**	mg/kg	2.0	0.49	1	11/04/13 09:24	11/05/13 09:52	7440-43-9	
Chromium	**85.0**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-47-3	
Cobalt	**11.7**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-48-4	
Copper	**1090**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-50-8	
Lead	**8760**	mg/kg	19.6	9.8	10	11/04/13 09:24	11/05/13 10:27	7439-92-1	
Nickel	**261**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-02-0	
Selenium	ND	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7782-49-2	
Silver	**2.4**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-22-4	
Thallium	ND	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-28-0	
Vanadium	**16.3**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-62-2	
Zinc	**21000**	mg/kg	19.6	9.8	10	11/04/13 09:24	11/05/13 10:27	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	0.21	1	11/11/13 14:20	11/12/13 11:50	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(8-10)-110113 **Lab ID: 5089280003** Collected: 11/01/13 10:00 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	83-32-9	
Acenaphthylene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	208-96-8	
Anthracene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1050	1020	1	11/04/13 12:32	11/13/13 03:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	207-08-9	
Benzyl alcohol	ND	ug/kg	4060	2030	1	11/04/13 12:32	11/13/13 03:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	101-55-3	
Butylbenzylphthalate	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	4060	2030	1	11/04/13 12:32	11/13/13 03:39	59-50-7	
4-Chloroaniline	ND	ug/kg	4060	2030	1	11/04/13 12:32	11/13/13 03:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	108-60-1	
2-Chloronaphthalene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	91-58-7	
2-Chlorophenol	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	7005-72-3	
Chrysene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1050	1020	1	11/04/13 12:32	11/13/13 03:39	53-70-3	
Dibenzofuran	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	120-83-2	
Diethylphthalate	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	105-67-9	
Dimethylphthalate	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	131-11-3	
Di-n-butylphthalate	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	9850	4920	1	11/04/13 12:32	11/13/13 03:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	9850	9850	1	11/04/13 12:32	11/13/13 03:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	117-81-7	
Fluoranthene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	206-44-0	
Fluorene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	2030	2030	1	11/04/13 12:32	11/13/13 03:39	77-47-4	
Hexachloroethane	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	193-39-5	
Isophorone	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	78-59-1	
2-Methylnaphthalene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	4060	2030	1	11/04/13 12:32	11/13/13 03:39		
Naphthalene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	91-20-3	
2-Nitroaniline	ND	ug/kg	9850	4920	1	11/04/13 12:32	11/13/13 03:39	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(8-10)-110113 **Lab ID: 5089280003** Collected: 11/01/13 10:00 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	9850	4920	1	11/04/13 12:32	11/13/13 03:39	99-09-2	
4-Nitroaniline	ND	ug/kg	9850	4920	1	11/04/13 12:32	11/13/13 03:39	100-01-6	
Nitrobenzene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	98-95-3	
2-Nitrophenol	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	88-75-5	
4-Nitrophenol	ND	ug/kg	9850	4920	1	11/04/13 12:32	11/13/13 03:39	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	86-30-6	
Phenanthrene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	85-01-8	
Phenol	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	108-95-2	P3
Pyrene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	0	%.	28-101		1	11/04/13 12:32	11/13/13 03:39	4165-60-0	3d
2-Fluorobiphenyl (S)	6	%.	31-94		1	11/04/13 12:32	11/13/13 03:39	321-60-8	3d
p-Terphenyl-d14 (S)	10	%.	26-110		1	11/04/13 12:32	11/13/13 03:39	1718-51-0	3d
Phenol-d5 (S)	0	%.	28-101		1	11/04/13 12:32	11/13/13 03:39	4165-62-2	3d
2-Fluorophenol (S)	0	%.	24-104		1	11/04/13 12:32	11/13/13 03:39	367-12-4	3d
2,4,6-Tribromophenol (S)	6	%.	16-122		1	11/04/13 12:32	11/13/13 03:39	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**0.12**	mg/kg	0.11	0.055	1		11/12/13 18:57	67-64-1	
Acrolein	ND	mg/kg	0.11	0.055	1		11/12/13 18:57	107-02-8	
Benzene	**0.0032J**	mg/kg	0.0055	0.0011	1		11/12/13 18:57	71-43-2	
Bromobenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	108-86-1	
Bromochloromethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-27-4	
Bromoform	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-25-2	
Bromomethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.028	0.013	1		11/12/13 18:57	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	0.0028	1		11/12/13 18:57	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	56-23-5	
Chlorobenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	108-90-7	
Chloroethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-00-3	
Chloroform	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	67-66-3	
Chloromethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	74-87-3	
2-Chlorotoluene	**0.044**	mg/kg	0.0055	0.0028	1		11/12/13 18:57	95-49-8	
4-Chlorotoluene	**0.011**	mg/kg	0.0055	0.0028	1		11/12/13 18:57	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	124-48-1	
Dibromomethane	ND	mg/kg	0.0055	0.0035	1		11/12/13 18:57	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(8-10)-110113 **Lab ID: 5089280003** Collected: 11/01/13 10:00 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	0.055	1		11/12/13 18:57	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	0.055	1		11/12/13 18:57	97-63-2	
n-Hexane	**0.0038J**	mg/kg	0.0055	0.0028	1		11/12/13 18:57	110-54-3	N2
2-Hexanone	ND	mg/kg	0.11	0.055	1		11/12/13 18:57	591-78-6	
Iodomethane	ND	mg/kg	0.11	0.055	1		11/12/13 18:57	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	99-87-6	
Methylene Chloride	ND	mg/kg	0.022	0.011	1		11/12/13 18:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.028	0.013	1		11/12/13 18:57	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0055	0.0015	1		11/12/13 18:57	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	103-65-1	
Styrene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0055	0.0021	1		11/12/13 18:57	127-18-4	
Toluene	**0.0083**	mg/kg	0.0055	0.0028	1		11/12/13 18:57	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	79-00-5	
Trichloroethene	ND	mg/kg	0.0055	0.0019	1		11/12/13 18:57	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-69-4	
1,2,4-Trimethylbenzene	**0.026**	mg/kg	0.0055	0.0028	1		11/12/13 18:57	95-63-6	
1,3,5-Trimethylbenzene	**0.014**	mg/kg	0.0055	0.0028	1		11/12/13 18:57	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	0.055	1		11/12/13 18:57	108-05-4	
Vinyl chloride	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-01-4	
Xylene (Total)	**0.021**	mg/kg	0.011	0.0055	1		11/12/13 18:57	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	94	%.	85-118		1		11/12/13 18:57	1868-53-7	
Toluene-d8 (S)	117	%.	71-128		1		11/12/13 18:57	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(8-10)-110113 **Lab ID: 5089280003** Collected: 11/01/13 10:00 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	99	%.	56-144		1		11/12/13 18:57	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.6**	%	0.10	0.10	1		11/04/13 15:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.4**	Std. Units	0.10		1		11/04/13 12:56		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(0-2)-110113 **Lab ID: 5089280004** Collected: 11/01/13 08:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**290**	mg/kg	236	59.1	10	11/04/13 12:32	11/05/13 13:17		
TPH (C10-C20)	ND	mg/kg	118	59.1	10	11/04/13 12:32	11/05/13 13:17		
TPH (C20-C34)	**249**	mg/kg	118	59.1	10	11/04/13 12:32	11/05/13 13:17		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 13:17	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	2390	1190	20	11/04/13 12:39	11/07/13 17:31	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	2390	1190	20	11/04/13 12:39	11/07/13 17:31	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	2390	1190	20	11/04/13 12:39	11/07/13 17:31	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	2390	1190	20	11/04/13 12:39	11/07/13 17:31	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	2390	1190	20	11/04/13 12:39	11/07/13 17:31	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	2390	1190	20	11/04/13 12:39	11/07/13 17:31	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	2390	1190	20	11/04/13 12:39	11/07/13 17:31	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		20	11/04/13 12:39	11/07/13 17:31	877-09-8	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11600**	mg/kg	58.5	29.3	1	11/04/13 09:24	11/05/13 10:02	7429-90-5	
Antimony	**1.3J**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-36-0	
Arsenic	**19.6**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-38-2	
Barium	**115**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-39-3	
Beryllium	**1.0**	mg/kg	0.59	0.29	1	11/04/13 09:24	11/05/13 10:02	7440-41-7	
Cadmium	ND	mg/kg	2.3	0.59	1	11/04/13 09:24	11/05/13 10:02	7440-43-9	
Chromium	**21.7**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-47-3	
Cobalt	**18.5**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-48-4	
Copper	**50.7**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-50-8	
Lead	**368**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7439-92-1	
Nickel	**27.6**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-02-0	
Selenium	ND	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7782-49-2	
Silver	ND	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-22-4	
Thallium	ND	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-28-0	
Vanadium	**24.2**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-62-2	
Zinc	**166**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.69**	mg/kg	0.25	0.21	1	11/11/13 14:20	11/12/13 11:56	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	83-32-9	
Acenaphthylene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	208-96-8	
Anthracene	**2740J**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	120-12-7	
Benzo(a)anthracene	**6980**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	56-55-3	
Benzo(a)pyrene	**5860**	ug/kg	2010	1950	10	11/04/13 12:32	11/13/13 15:47	50-32-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(0-2)-110113 **Lab ID: 5089280004** Collected: 11/01/13 08:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**7390**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	205-99-2	
Benzo(g,h,i)perylene	**3170J**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	191-24-2	
Benzo(k)fluoranthene	**3310J**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	207-08-9	
Benzyl alcohol	ND	ug/kg	7800	3900	10	11/04/13 12:32	11/13/13 15:47	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7800	3900	10	11/04/13 12:32	11/13/13 15:47	59-50-7	
4-Chloroaniline	ND	ug/kg	7800	3900	10	11/04/13 12:32	11/13/13 15:47	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	91-58-7	
2-Chlorophenol	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	7005-72-3	
Chrysene	**7370**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2010	1950	10	11/04/13 12:32	11/13/13 15:47	53-70-3	
Dibenzofuran	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	120-83-2	
Diethylphthalate	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	105-67-9	
Dimethylphthalate	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	18900	9450	10	11/04/13 12:32	11/13/13 15:47	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18900	18900	10	11/04/13 12:32	11/13/13 15:47	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	117-81-7	
Fluoranthene	**17100**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	206-44-0	
Fluorene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3900	3900	10	11/04/13 12:32	11/13/13 15:47	77-47-4	
Hexachloroethane	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	67-72-1	
Indeno(1,2,3-cd)pyrene	**2930J**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	193-39-5	
Isophorone	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7800	3900	10	11/04/13 12:32	11/13/13 15:47		
Naphthalene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	91-20-3	
2-Nitroaniline	ND	ug/kg	18900	9450	10	11/04/13 12:32	11/13/13 15:47	88-74-4	
3-Nitroaniline	ND	ug/kg	18900	9450	10	11/04/13 12:32	11/13/13 15:47	99-09-2	
4-Nitroaniline	ND	ug/kg	18900	9450	10	11/04/13 12:32	11/13/13 15:47	100-01-6	
Nitrobenzene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	98-95-3	
2-Nitrophenol	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	88-75-5	
4-Nitrophenol	ND	ug/kg	18900	9450	10	11/04/13 12:32	11/13/13 15:47	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(0-2)-110113 **Lab ID: 5089280004** Collected: 11/01/13 08:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	86-30-6	
Phenanthrene	**11900**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	85-01-8	
Phenol	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	108-95-2	1d
Pyrene	**12900**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	48	%.	28-101		10	11/04/13 12:32	11/13/13 15:47	4165-60-0	
2-Fluorobiphenyl (S)	46	%.	31-94		10	11/04/13 12:32	11/13/13 15:47	321-60-8	
p-Terphenyl-d14 (S)	58	%.	26-110		10	11/04/13 12:32	11/13/13 15:47	1718-51-0	
Phenol-d5 (S)	47	%.	28-101		10	11/04/13 12:32	11/13/13 15:47	4165-62-2	
2-Fluorophenol (S)	49	%.	24-104		10	11/04/13 12:32	11/13/13 15:47	367-12-4	
2,4,6-Tribromophenol (S)	50	%.	16-122		10	11/04/13 12:32	11/13/13 15:47	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.2**	%	0.10	0.10	1		11/04/13 15:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.6**	Std. Units	0.10		1		11/04/13 12:58		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(0-2)-110113D **Lab ID: 5089280005** Collected: 11/01/13 08:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**947**	mg/kg	240	60.0	10	11/04/13 12:32	11/05/13 13:24		
TPH (C10-C20)	**66.7J**	mg/kg	120	60.0	10	11/04/13 12:32	11/05/13 13:24		
TPH (C20-C34)	**880**	mg/kg	120	60.0	10	11/04/13 12:32	11/05/13 13:24		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 13:24	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/06/13 14:38	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/06/13 14:38	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/06/13 14:38	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/06/13 14:38	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/06/13 14:38	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/06/13 14:38	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/06/13 14:38	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/04/13 12:39	11/06/13 14:38	877-09-8	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11000**	mg/kg	50.1	25.1	1	11/04/13 09:24	11/05/13 10:04	7429-90-5	
Antimony	**1.1J**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-36-0	
Arsenic	**18.1**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-38-2	
Barium	**160**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-39-3	
Beryllium	**0.95**	mg/kg	0.50	0.25	1	11/04/13 09:24	11/05/13 10:04	7440-41-7	
Cadmium	**0.50J**	mg/kg	2.0	0.50	1	11/04/13 09:24	11/05/13 10:04	7440-43-9	
Chromium	**21.0**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-47-3	
Cobalt	**12.9**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-48-4	
Copper	**54.0**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-50-8	
Lead	**474**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7439-92-1	
Nickel	**24.6**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-02-0	
Selenium	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7782-49-2	
Silver	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-22-4	
Thallium	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-28-0	
Vanadium	**23.4**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-62-2	
Zinc	**195**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.69**	mg/kg	0.25	0.21	1	11/11/13 14:20	11/12/13 11:58	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	83-32-9	
Acenaphthylene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	208-96-8	
Anthracene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	120-12-7	
Benzo(a)anthracene	**2340J**	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	56-55-3	
Benzo(a)pyrene	**2160**	ug/kg	2020	1960	10	11/04/13 12:32	11/13/13 15:27	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(0-2)-110113D **Lab ID: 5089280005** Collected: 11/01/13 08:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**2830J**	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	207-08-9	
Benzyl alcohol	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 15:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 15:27	59-50-7	
4-Chloroaniline	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 15:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	91-58-7	
2-Chlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	7005-72-3	
Chrysene	**2350J**	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2020	1960	10	11/04/13 12:32	11/13/13 15:27	53-70-3	
Dibenzofuran	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	120-83-2	
Diethylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	105-67-9	
Dimethylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19000	9500	10	11/04/13 12:32	11/13/13 15:27	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19000	19000	10	11/04/13 12:32	11/13/13 15:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	117-81-7	
Fluoranthene	**5250**	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	206-44-0	
Fluorene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3920	3920	10	11/04/13 12:32	11/13/13 15:27	77-47-4	
Hexachloroethane	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	193-39-5	
Isophorone	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 15:27		
Naphthalene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	91-20-3	
2-Nitroaniline	ND	ug/kg	19000	9500	10	11/04/13 12:32	11/13/13 15:27	88-74-4	
3-Nitroaniline	ND	ug/kg	19000	9500	10	11/04/13 12:32	11/13/13 15:27	99-09-2	
4-Nitroaniline	ND	ug/kg	19000	9500	10	11/04/13 12:32	11/13/13 15:27	100-01-6	
Nitrobenzene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	98-95-3	
2-Nitrophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	88-75-5	
4-Nitrophenol	ND	ug/kg	19000	9500	10	11/04/13 12:32	11/13/13 15:27	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(0-2)-110113D **Lab ID: 5089280005** Collected: 11/01/13 08:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	86-30-6	
Phenanthrene	**4600**	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	85-01-8	
Phenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	108-95-2	1d
Pyrene	**4050**	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	62	%.	28-101		10	11/04/13 12:32	11/13/13 15:27	4165-60-0	
2-Fluorobiphenyl (S)	62	%.	31-94		10	11/04/13 12:32	11/13/13 15:27	321-60-8	
p-Terphenyl-d14 (S)	73	%.	26-110		10	11/04/13 12:32	11/13/13 15:27	1718-51-0	
Phenol-d5 (S)	64	%.	28-101		10	11/04/13 12:32	11/13/13 15:27	4165-62-2	
2-Fluorophenol (S)	63	%.	24-104		10	11/04/13 12:32	11/13/13 15:27	367-12-4	
2,4,6-Tribromophenol (S)	68	%.	16-122		10	11/04/13 12:32	11/13/13 15:27	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.6**	%	0.10	0.10	1		11/04/13 15:01		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(2-4)-110113 **Lab ID: 5089280006** Collected: 11/01/13 08:40 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**1120**	mg/kg	218	54.4	10	11/04/13 12:32	11/05/13 13:31		
TPH (C10-C20)	ND	mg/kg	109	54.4	10	11/04/13 12:32	11/05/13 13:31		
TPH (C20-C34)	**1070**	mg/kg	109	54.4	10	11/04/13 12:32	11/05/13 13:31		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 13:31	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	2160	1080	20	11/04/13 12:39	11/06/13 14:44	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	2160	1080	20	11/04/13 12:39	11/06/13 14:44	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	2160	1080	20	11/04/13 12:39	11/06/13 14:44	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	2160	1080	20	11/04/13 12:39	11/06/13 14:44	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	2160	1080	20	11/04/13 12:39	11/06/13 14:44	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	2160	1080	20	11/04/13 12:39	11/06/13 14:44	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	2160	1080	20	11/04/13 12:39	11/06/13 14:44	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		20	11/04/13 12:39	11/06/13 14:44	877-09-8	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7760**	mg/kg	47.2	23.6	1	11/04/13 09:24	11/05/13 10:07	7429-90-5	
Antimony	**2.0**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-36-0	
Arsenic	**9.8**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-38-2	
Barium	**123**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-39-3	
Beryllium	**0.65**	mg/kg	0.47	0.24	1	11/04/13 09:24	11/05/13 10:07	7440-41-7	
Cadmium	**4.7**	mg/kg	1.9	0.47	1	11/04/13 09:24	11/05/13 10:07	7440-43-9	
Chromium	**33.5**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-47-3	
Cobalt	**3.5**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-48-4	
Copper	**106**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-50-8	
Lead	**453**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7439-92-1	
Nickel	**45.9**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-02-0	
Selenium	ND	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7782-49-2	
Silver	**1.1J**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-22-4	
Thallium	**1.2J**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-28-0	
Vanadium	**13.1**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-62-2	
Zinc	**749**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	0.19	1	11/11/13 14:20	11/12/13 12:00	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	83-32-9	
Acenaphthylene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	208-96-8	
Anthracene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1840	1790	10	11/04/13 12:32	11/13/13 14:26	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(2-4)-110113 **Lab ID: 5089280006** Collected: 11/01/13 08:40 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	207-08-9	
Benzyl alcohol	ND	ug/kg	7160	3580	10	11/04/13 12:32	11/13/13 14:26	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7160	3580	10	11/04/13 12:32	11/13/13 14:26	59-50-7	
4-Chloroaniline	ND	ug/kg	7160	3580	10	11/04/13 12:32	11/13/13 14:26	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	91-58-7	
2-Chlorophenol	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	7005-72-3	
Chrysene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1840	1790	10	11/04/13 12:32	11/13/13 14:26	53-70-3	
Dibenzofuran	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	120-83-2	
Diethylphthalate	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	105-67-9	
Dimethylphthalate	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17400	8680	10	11/04/13 12:32	11/13/13 14:26	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17400	17400	10	11/04/13 12:32	11/13/13 14:26	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	117-84-0	
bis(2-Ethylhexyl)phthalate	**4030**	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	117-81-7	
Fluoranthene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	206-44-0	
Fluorene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3580	3580	10	11/04/13 12:32	11/13/13 14:26	77-47-4	
Hexachloroethane	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	193-39-5	
Isophorone	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7160	3580	10	11/04/13 12:32	11/13/13 14:26		
Naphthalene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	91-20-3	
2-Nitroaniline	ND	ug/kg	17400	8680	10	11/04/13 12:32	11/13/13 14:26	88-74-4	
3-Nitroaniline	ND	ug/kg	17400	8680	10	11/04/13 12:32	11/13/13 14:26	99-09-2	
4-Nitroaniline	ND	ug/kg	17400	8680	10	11/04/13 12:32	11/13/13 14:26	100-01-6	
Nitrobenzene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	98-95-3	
2-Nitrophenol	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	88-75-5	
4-Nitrophenol	ND	ug/kg	17400	8680	10	11/04/13 12:32	11/13/13 14:26	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(2-4)-110113 **Lab ID: 5089280006** Collected: 11/01/13 08:40 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	86-30-6	
Phenanthrene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	85-01-8	
Phenol	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	108-95-2	1d
Pyrene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	70	%.	28-101		10	11/04/13 12:32	11/13/13 14:26	4165-60-0	
2-Fluorobiphenyl (S)	74	%.	31-94		10	11/04/13 12:32	11/13/13 14:26	321-60-8	
p-Terphenyl-d14 (S)	87	%.	26-110		10	11/04/13 12:32	11/13/13 14:26	1718-51-0	
Phenol-d5 (S)	64	%.	28-101		10	11/04/13 12:32	11/13/13 14:26	4165-62-2	
2-Fluorophenol (S)	26	%.	24-104		10	11/04/13 12:32	11/13/13 14:26	367-12-4	
2,4,6-Tribromophenol (S)	0	%.	16-122		10	11/04/13 12:32	11/13/13 14:26	118-79-6	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.2**	%	0.10	0.10	1		11/04/13 15:01		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(8-10)-110113 **Lab ID: 5089280007** Collected: 11/01/13 08:50 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	ND	mg/kg	21.8	5.4	1	11/04/13 12:32	11/05/13 13:51		
TPH (C10-C20)	ND	mg/kg	10.9	5.4	1	11/04/13 12:32	11/05/13 13:51		
TPH (C20-C34)	ND	mg/kg	10.9	5.4	1	11/04/13 12:32	11/05/13 13:51		
Surrogates									
n-Pentacosane (S)	87	%.	30-153		1	11/04/13 12:32	11/05/13 13:51	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	109	54.6	1	11/04/13 12:39	11/05/13 16:54	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	109	54.6	1	11/04/13 12:39	11/05/13 16:54	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	109	54.6	1	11/04/13 12:39	11/05/13 16:54	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	109	54.6	1	11/04/13 12:39	11/05/13 16:54	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	109	54.6	1	11/04/13 12:39	11/05/13 16:54	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	109	54.6	1	11/04/13 12:39	11/05/13 16:54	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	109	54.6	1	11/04/13 12:39	11/05/13 16:54	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	62	%.	30-106		1	11/04/13 12:39	11/05/13 16:54	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**6050**	mg/kg	48.0	24.0	1	11/04/13 09:24	11/05/13 10:09	7429-90-5	
Antimony	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-36-0	
Arsenic	**11.4**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-38-2	
Barium	**26.3**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-39-3	
Beryllium	**0.39J**	mg/kg	0.48	0.24	1	11/04/13 09:24	11/05/13 10:09	7440-41-7	
Cadmium	ND	mg/kg	1.9	0.48	1	11/04/13 09:24	11/05/13 10:09	7440-43-9	
Chromium	**10.8**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-47-3	
Cobalt	**6.4**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-48-4	
Copper	**19.1**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-50-8	
Lead	**7.2**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7439-92-1	
Nickel	**21.4**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-02-0	
Selenium	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7782-49-2	
Silver	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-22-4	
Thallium	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-28-0	
Vanadium	**17.4**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-62-2	
Zinc	**72.3**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	0.20	1	11/11/13 14:20	11/12/13 12:02	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	83-32-9	
Acenaphthylene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	208-96-8	
Anthracene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	120-12-7	
Benzo(a)anthracene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	56-55-3	
Benzo(a)pyrene	ND	ug/kg	185	180	1	11/04/13 12:32	11/13/13 02:19	50-32-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(8-10)-110113 **Lab ID: 5089280007** Collected: 11/01/13 08:50 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	207-08-9	
Benzyl alcohol	ND	ug/kg	719	359	1	11/04/13 12:32	11/13/13 02:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	101-55-3	
Butylbenzylphthalate	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	719	359	1	11/04/13 12:32	11/13/13 02:19	59-50-7	
4-Chloroaniline	ND	ug/kg	719	359	1	11/04/13 12:32	11/13/13 02:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	108-60-1	
2-Chloronaphthalene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	91-58-7	
2-Chlorophenol	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	7005-72-3	
Chrysene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	185	180	1	11/04/13 12:32	11/13/13 02:19	53-70-3	
Dibenzofuran	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	120-83-2	
Diethylphthalate	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	105-67-9	
Dimethylphthalate	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	131-11-3	
Di-n-butylphthalate	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1740	871	1	11/04/13 12:32	11/13/13 02:19	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1740	1740	1	11/04/13 12:32	11/13/13 02:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	606-20-2	
Di-n-octylphthalate	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	117-81-7	
Fluoranthene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	206-44-0	
Fluorene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	359	359	1	11/04/13 12:32	11/13/13 02:19	77-47-4	
Hexachloroethane	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	193-39-5	
Isophorone	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	78-59-1	
2-Methylnaphthalene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	719	359	1	11/04/13 12:32	11/13/13 02:19		
Naphthalene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	91-20-3	
2-Nitroaniline	ND	ug/kg	1740	871	1	11/04/13 12:32	11/13/13 02:19	88-74-4	
3-Nitroaniline	ND	ug/kg	1740	871	1	11/04/13 12:32	11/13/13 02:19	99-09-2	
4-Nitroaniline	ND	ug/kg	1740	871	1	11/04/13 12:32	11/13/13 02:19	100-01-6	
Nitrobenzene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	98-95-3	
2-Nitrophenol	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	88-75-5	
4-Nitrophenol	ND	ug/kg	1740	871	1	11/04/13 12:32	11/13/13 02:19	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(8-10)-110113 **Lab ID: 5089280007** Collected: 11/01/13 08:50 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	86-30-6	
Phenanthrene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	85-01-8	
Phenol	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	108-95-2	
Pyrene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	81	%.	28-101		1	11/04/13 12:32	11/13/13 02:19	4165-60-0	
2-Fluorobiphenyl (S)	76	%.	31-94		1	11/04/13 12:32	11/13/13 02:19	321-60-8	
p-Terphenyl-d14 (S)	91	%.	26-110		1	11/04/13 12:32	11/13/13 02:19	1718-51-0	
Phenol-d5 (S)	84	%.	28-101		1	11/04/13 12:32	11/13/13 02:19	4165-62-2	
2-Fluorophenol (S)	89	%.	24-104		1	11/04/13 12:32	11/13/13 02:19	367-12-4	
2,4,6-Tribromophenol (S)	86	%.	16-122		1	11/04/13 12:32	11/13/13 02:19	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.4**	%	0.10	0.10	1		11/04/13 15:01		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-MW02b(2-4)-110113 **Lab ID: 5089280008** Collected: 11/01/13 10:55 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**973**	mg/kg	242	60.4	10	11/04/13 12:32	11/05/13 13:38		
TPH (C10-C20)	**176**	mg/kg	121	60.4	10	11/04/13 12:32	11/05/13 13:38		
TPH (C20-C34)	**798**	mg/kg	121	60.4	10	11/04/13 12:32	11/05/13 13:38		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 13:38	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	121	60.4	1	11/04/13 12:39	11/05/13 17:00	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	121	60.4	1	11/04/13 12:39	11/05/13 17:00	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	121	60.4	1	11/04/13 12:39	11/05/13 17:00	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	121	60.4	1	11/04/13 12:39	11/05/13 17:00	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	121	60.4	1	11/04/13 12:39	11/05/13 17:00	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	121	60.4	1	11/04/13 12:39	11/05/13 17:00	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	121	60.4	1	11/04/13 12:39	11/05/13 17:00	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	44	%.	30-106		1	11/04/13 12:39	11/05/13 17:00	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.95	0.47	1		11/08/13 00:48		
Surrogates									
4-Bromofluorobenzene (S)	71	%.	38-163		1		11/08/13 00:48	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11600**	mg/kg	56.0	28.0	1	11/04/13 09:24	11/05/13 10:11	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-36-0	
Arsenic	**21.7**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-38-2	
Barium	**490**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-39-3	
Beryllium	**0.85**	mg/kg	0.56	0.28	1	11/04/13 09:24	11/05/13 10:11	7440-41-7	
Cadmium	**0.95J**	mg/kg	2.2	0.56	1	11/04/13 09:24	11/05/13 10:11	7440-43-9	
Chromium	**31.6**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-47-3	
Cobalt	**11.3**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-48-4	
Copper	**51.3**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-50-8	
Lead	**111**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7439-92-1	
Nickel	**27.9**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-28-0	
Vanadium	**22.4**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-62-2	
Zinc	**421**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**1.9**	mg/kg	0.25	0.21	1	11/11/13 14:20	11/12/13 12:05	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-MW02b(2-4)-110113 **Lab ID: 5089280008** Collected: 11/01/13 10:55 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	83-32-9	
Acenaphthylene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	208-96-8	
Anthracene	**2660J**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	120-12-7	
Benzo(a)anthracene	**7100**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	56-55-3	
Benzo(a)pyrene	**7070**	ug/kg	2050	1990	10	11/04/13 12:32	11/13/13 14:06	50-32-8	
Benzo(b)fluoranthene	**9930**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	205-99-2	
Benzo(g,h,i)perylene	**4550**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	191-24-2	
Benzo(k)fluoranthene	**2880J**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	207-08-9	
Benzyl alcohol	ND	ug/kg	7970	3990	10	11/04/13 12:32	11/13/13 14:06	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7970	3990	10	11/04/13 12:32	11/13/13 14:06	59-50-7	
4-Chloroaniline	ND	ug/kg	7970	3990	10	11/04/13 12:32	11/13/13 14:06	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	91-58-7	
2-Chlorophenol	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	7005-72-3	
Chrysene	**6970**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2050	1990	10	11/04/13 12:32	11/13/13 14:06	53-70-3	
Dibenzofuran	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	120-83-2	
Diethylphthalate	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	105-67-9	
Dimethylphthalate	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19300	9660	10	11/04/13 12:32	11/13/13 14:06	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19300	19300	10	11/04/13 12:32	11/13/13 14:06	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	117-81-7	
Fluoranthene	**17600**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	206-44-0	
Fluorene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3990	3990	10	11/04/13 12:32	11/13/13 14:06	77-47-4	
Hexachloroethane	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	67-72-1	
Indeno(1,2,3-cd)pyrene	**3940J**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	193-39-5	
Isophorone	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7970	3990	10	11/04/13 12:32	11/13/13 14:06		
Naphthalene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	91-20-3	
2-Nitroaniline	ND	ug/kg	19300	9660	10	11/04/13 12:32	11/13/13 14:06	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-MW02b(2-4)-110113 **Lab ID: 5089280008** Collected: 11/01/13 10:55 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	19300	9660	10	11/04/13 12:32	11/13/13 14:06	99-09-2	
4-Nitroaniline	ND	ug/kg	19300	9660	10	11/04/13 12:32	11/13/13 14:06	100-01-6	
Nitrobenzene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	98-95-3	
2-Nitrophenol	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	88-75-5	
4-Nitrophenol	ND	ug/kg	19300	9660	10	11/04/13 12:32	11/13/13 14:06	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	86-30-6	
Phenanthrene	**11500**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	85-01-8	
Phenol	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	108-95-2	1d
Pyrene	**14100**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	73	%.	28-101		10	11/04/13 12:32	11/13/13 14:06	4165-60-0	
2-Fluorobiphenyl (S)	72	%.	31-94		10	11/04/13 12:32	11/13/13 14:06	321-60-8	
p-Terphenyl-d14 (S)	94	%.	26-110		10	11/04/13 12:32	11/13/13 14:06	1718-51-0	
Phenol-d5 (S)	76	%.	28-101		10	11/04/13 12:32	11/13/13 14:06	4165-62-2	
2-Fluorophenol (S)	79	%.	24-104		10	11/04/13 12:32	11/13/13 14:06	367-12-4	
2,4,6-Tribromophenol (S)	79	%.	16-122		10	11/04/13 12:32	11/13/13 14:06	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.11	0.054	1		11/12/13 19:31	67-64-1	
Acrolein	ND	mg/kg	0.11	0.054	1		11/12/13 19:31	107-02-8	
Benzene	ND	mg/kg	0.0054	0.0011	1		11/12/13 19:31	71-43-2	
Bromobenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	108-86-1	
Bromochloromethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-27-4	
Bromoform	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-25-2	
Bromomethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.027	0.013	1		11/12/13 19:31	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	0.0027	1		11/12/13 19:31	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	56-23-5	
Chlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	108-90-7	
Chloroethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-00-3	
Chloroform	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	67-66-3	
Chloromethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	124-48-1	
Dibromomethane	ND	mg/kg	0.0054	0.0035	1		11/12/13 19:31	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-MW02b(2-4)-110113 **Lab ID: 5089280008** Collected: 11/01/13 10:55 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	0.054	1		11/12/13 19:31	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	0.054	1		11/12/13 19:31	97-63-2	
n-Hexane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	110-54-3	N2
2-Hexanone	ND	mg/kg	0.11	0.054	1		11/12/13 19:31	591-78-6	
Iodomethane	ND	mg/kg	0.11	0.054	1		11/12/13 19:31	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	99-87-6	
Methylene Chloride	ND	mg/kg	0.022	0.011	1		11/12/13 19:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.027	0.013	1		11/12/13 19:31	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0054	0.0015	1		11/12/13 19:31	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	103-65-1	
Styrene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0054	0.0021	1		11/12/13 19:31	127-18-4	
Toluene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	79-00-5	
Trichloroethene	ND	mg/kg	0.0054	0.0018	1		11/12/13 19:31	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	0.054	1		11/12/13 19:31	108-05-4	
Vinyl chloride	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	0.0054	1		11/12/13 19:31	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	90	%.	85-118		1		11/12/13 19:31	1868-53-7	
Toluene-d8 (S)	105	%.	71-128		1		11/12/13 19:31	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-MW02b(2-4)-110113 **Lab ID: 5089280008** Collected: 11/01/13 10:55 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	91	%.	56-144		1		11/12/13 19:31	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.8**	%	0.10	0.10	1		11/04/13 15:01		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-TB12-110113 **Lab ID: 5089280009** Collected: 11/01/13 08:00 Received: 11/02/13 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/13/13 02:28	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/13/13 02:28	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/13/13 02:28	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/13/13 02:28	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/13/13 02:28	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/13/13 02:28	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/13/13 02:28	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/13/13 02:28	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/13/13 02:28	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/13/13 02:28	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/13/13 02:28	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/13/13 02:28	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/13/13 02:28	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	1.0	1		11/13/13 02:28	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-TB12-110113 **Lab ID: 5089280009** Collected: 11/01/13 08:00 Received: 11/02/13 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/13/13 02:28	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.0	1		11/13/13 02:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/13/13 02:28	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/13/13 02:28	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/13/13 02:28	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	50.0	1		11/13/13 02:28	110-57-6	
Surrogates									
Dibromofluoromethane (S)	98	%.	79-116		1		11/13/13 02:28	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	80-114		1		11/13/13 02:28	460-00-4	
Toluene-d8 (S)	98	%.	81-110		1		11/13/13 02:28	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-IDW03-110113 **Lab ID: 5089280010** Collected: 11/01/13 13:20 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 11/05/13 12:00								
Arsenic	ND	mg/L	0.10	0.050	1	11/12/13 14:53	11/13/13 13:25	7440-38-2	
Barium	**0.43J**	mg/L	5.0	0.10	1	11/12/13 14:53	11/13/13 13:25	7440-39-3	
Cadmium	**0.054**	mg/L	0.050	0.025	1	11/12/13 14:53	11/13/13 13:25	7440-43-9	
Chromium	ND	mg/L	0.10	0.050	1	11/12/13 14:53	11/13/13 13:25	7440-47-3	
Lead	**0.20**	mg/L	0.10	0.040	1	11/12/13 14:53	11/13/13 13:25	7439-92-1	
Selenium	ND	mg/L	0.10	0.050	1	11/12/13 14:53	11/13/13 13:25	7782-49-2	
Silver	ND	mg/L	0.50	0.25	1	11/12/13 14:53	11/13/13 13:25	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Leachate Method/Date: EPA 1311; 11/05/13 12:00								
Mercury	ND	mg/L	0.0020	0.0010	1	11/14/13 09:46	11/15/13 12:03	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 11/05/13 12:00								
1,4-Dichlorobenzene	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	87-68-3	
Hexachlorobenzene	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	118-74-1	
Hexachloroethane	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	200	100	1	11/06/13 11:40	11/07/13 12:50		
Nitrobenzene	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	98-95-3	
Pentachlorophenol	ND	ug/L	500	250	1	11/06/13 11:40	11/07/13 12:50	87-86-5	
Pyridine	ND	ug/L	100	100	1	11/06/13 11:40	11/07/13 12:50	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	500	50.0	1	11/06/13 11:40	11/07/13 12:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	69	%.	29-126		1	11/06/13 11:40	11/07/13 12:50	4165-60-0	
2-Fluorobiphenyl (S)	62	%.	31-118		1	11/06/13 11:40	11/07/13 12:50	321-60-8	
p-Terphenyl-d14 (S)	68	%.	28-129		1	11/06/13 11:40	11/07/13 12:50	1718-51-0	
Phenol-d5 (S)	17	%.	10-47		1	11/06/13 11:40	11/07/13 12:50	4165-62-2	
2-Fluorophenol (S)	31	%.	10-67		1	11/06/13 11:40	11/07/13 12:50	367-12-4	
2,4,6-Tribromophenol (S)	80	%.	31-161		1	11/06/13 11:40	11/07/13 12:50	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 11/05/13 12:00								
Benzene	ND	ug/L	50.0	10.0	1		11/13/13 07:10	71-43-2	
2-Butanone (MEK)	ND	ug/L	1000	500	1		11/13/13 07:10	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0	25.0	1		11/13/13 07:10	56-23-5	
Chlorobenzene	ND	ug/L	50.0	25.0	1		11/13/13 07:10	108-90-7	
Chloroform	ND	ug/L	50.0	25.0	1		11/13/13 07:10	67-66-3	
1,2-Dichloroethane	ND	ug/L	50.0	25.0	1		11/13/13 07:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	25.0	1		11/13/13 07:10	75-35-4	
Tetrachloroethene	ND	ug/L	50.0	25.0	1		11/13/13 07:10	127-18-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-IDW03-110113 **Lab ID: 5089280010** Collected: 11/01/13 13:20 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 11/05/13 12:00								
Trichloroethene	ND	ug/L	50.0	25.0	1		11/13/13 07:10	79-01-6	
Vinyl chloride	ND	ug/L	20.0	10.0	1		11/13/13 07:10	75-01-4	
Surrogates									
Toluene-d8 (S)	99	%.	81-110		1		11/13/13 07:10	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	80-114		1		11/13/13 07:10	460-00-4	
Dibromofluoromethane (S)	91	%.	79-116		1		11/13/13 07:10	1868-53-7	
1010 Flashpoint,Closed Cup	Analytical Method: EPA 1010								
Flashpoint	**>180**	deg F		78.0	1		11/07/13 13:49		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

Sample: FAW-IDW04-110113 **Lab ID: 5089281001** Collected: 11/01/13 13:50 Received: 11/02/13 11:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:10	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:10	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:10	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:10	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:10	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:10	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:10	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	23	%.	32-115		1	11/05/13 10:55	11/05/13 19:10	877-09-8	1d
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**14.6**	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:04	7440-38-2	
Barium	**78.5J**	ug/L	100	10.0	1	11/05/13 08:12	11/06/13 10:04	7440-39-3	
Cadmium	ND	ug/L	5.0	2.5	1	11/05/13 08:12	11/06/13 10:04	7440-43-9	
Chromium	**12.2**	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:04	7440-47-3	
Lead	**64.0**	ug/L	10.0	4.0	1	11/05/13 08:12	11/06/13 10:04	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:04	7782-49-2	
Silver	ND	ug/L	50.0	25.0	1	11/05/13 08:12	11/06/13 10:04	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1.0	1	11/05/13 10:15	11/06/13 13:50	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	83-32-9	
Acenaphthylene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	208-96-8	
Anthracene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	207-08-9	
Benzyl alcohol	ND	ug/L	20.4	10.2	1	11/04/13 10:52	11/04/13 18:35	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.4	10.2	1	11/04/13 10:52	11/04/13 18:35	59-50-7	
4-Chloroaniline	ND	ug/L	20.4	10.2	1	11/04/13 10:52	11/04/13 18:35	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.1	3.5	1	11/04/13 10:52	11/04/13 18:35	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	91-58-7	
2-Chlorophenol	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	7005-72-3	
Chrysene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	53-70-3	
Dibenzofuran	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	132-64-9	
2,4-Dichlorophenol	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	120-83-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

Sample: FAW-IDW04-110113 **Lab ID: 5089281001** Collected: 11/01/13 13:50 Received: 11/02/13 11:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Diethylphthalate	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	84-66-2	
2,4-Dimethylphenol	ND	ug/L UJ	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	105-67-9	
Dimethylphthalate	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L UJ	51.0	25.5	1	11/04/13 10:52	11/04/13 18:35	534-52-1	
2,4-Dinitrophenol	ND	ug/L UJ	51.0	51.0	1	11/04/13 10:52	11/04/13 18:35	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.1	2.6	1	11/04/13 10:52	11/04/13 18:35	117-81-7	
Fluoranthene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	206-44-0	
Fluorene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.1	2.6	1	11/04/13 10:52	11/04/13 18:35	87-68-3	
Hexachlorocyclopentadiene	ND	ug/L	20.4	20.4	1	11/04/13 10:52	11/04/13 18:35	77-47-4	
Hexachloroethane	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	193-39-5	
Isophorone	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L UJ	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L UJ	20.4	10.2	1	11/04/13 10:52	11/04/13 18:35		
Naphthalene	ND	ug/L	5.1	2.6	1	11/04/13 10:52	11/04/13 18:35	91-20-3	
2-Nitroaniline	ND	ug/L	51.0	25.5	1	11/04/13 10:52	11/04/13 18:35	88-74-4	
3-Nitroaniline	ND	ug/L	51.0	25.5	1	11/04/13 10:52	11/04/13 18:35	99-09-2	
4-Nitroaniline	ND	ug/L	51.0	25.5	1	11/04/13 10:52	11/04/13 18:35	100-01-6	
Nitrobenzene	ND	ug/L	5.1	5.1	1	11/04/13 10:52	11/04/13 18:35	98-95-3	
2-Nitrophenol	ND	ug/L UJ	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	88-75-5	
4-Nitrophenol	ND	ug/L UJ	51.0	51.0	1	11/04/13 10:52	11/04/13 18:35	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	86-30-6	
Phenanthrene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	85-01-8	
Phenol	ND	ug/L UJ	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	108-95-2	
Pyrene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	129-00-0	
2,4,5-Trichlorophenol	ND	ug/L UJ	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L UJ	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	63	%.	29-126		1	11/04/13 10:52	11/04/13 18:35	4165-60-0	
2-Fluorobiphenyl (S)	57	%.	31-118		1	11/04/13 10:52	11/04/13 18:35	321-60-8	
p-Terphenyl-d14 (S)	31	%.	28-129		1	11/04/13 10:52	11/04/13 18:35	1718-51-0	
Phenol-d5 (S)	9	%.	10-47		1	11/04/13 10:52	11/04/13 18:35	4165-62-2	2d
2-Fluorophenol (S)	8	%.	10-67		1	11/04/13 10:52	11/04/13 18:35	367-12-4	2d
2,4,6-Tribromophenol (S)	18	%.	31-161		1	11/04/13 10:52	11/04/13 18:35	118-79-6	2d
8260 MSV	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	50.0	1		11/13/13 03:02	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/13/13 03:02	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/13/13 03:02	71-43-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

Sample: FAW-IDW04-110113 **Lab ID: 5089281001** Collected: 11/01/13 13:50 Received: 11/02/13 11:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/13/13 03:02	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	98-06-6	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/13/13 03:02	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/13/13 03:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/13/13 03:02	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	50.0	1		11/13/13 03:02	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/13/13 03:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	10061-02-6	
Ethylbenzene	**5.7**	ug/L	5.0	2.5	1		11/13/13 03:02	100-41-4	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/13/13 03:02	97-63-2	
n-Hexane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	12.0	1		11/13/13 03:02	591-78-6	
Iodomethane	ND	ug/L	10.0	5.0	1		11/13/13 03:02	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/13/13 03:02	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/13/13 03:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1.0	1		11/13/13 03:02	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	103-65-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

Sample: FAW-IDW04-110113 **Lab ID: 5089281001** Collected: 11/01/13 13:50 Received: 11/02/13 11:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/13/13 03:02	127-18-4	
Toluene	**109**	ug/L	5.0	2.5	1		11/13/13 03:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	79-00-5	
Trichloroethene	ND	ug/L	5.0	1.0	1		11/13/13 03:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	108-67-8	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/13/13 03:02	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/13/13 03:02	75-01-4	
Xylene (Total)	**35.4**	ug/L	10.0	5.0	1		11/13/13 03:02	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	98	%.	79-116		1		11/13/13 03:02	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114		1		11/13/13 03:02	460-00-4	
Toluene-d8 (S)	99	%.	81-110		1		11/13/13 03:02	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

Sample: FAW-MW02b(2-4)-110113EB **Lab ID: 5089283001** Collected: 11/01/13 11:00 Received: 11/02/13 11:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.53	0.27	1	11/05/13 10:55	11/05/13 19:16	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.53	0.27	1	11/05/13 10:55	11/05/13 19:16	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.53	0.27	1	11/05/13 10:55	11/05/13 19:16	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.53	0.27	1	11/05/13 10:55	11/05/13 19:16	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.53	0.27	1	11/05/13 10:55	11/05/13 19:16	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.53	0.27	1	11/05/13 10:55	11/05/13 19:16	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.53	0.27	1	11/05/13 10:55	11/05/13 19:16	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	73	%.	32-115		1	11/05/13 10:55	11/05/13 19:16	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Aluminum	ND	ug/L	1000	500	1	11/05/13 08:12	11/06/13 10:07	7429-90-5	
Antimony	ND	ug/L	6.0	4.1	1	11/05/13 08:12	11/06/13 10:07	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:07	7440-38-2	
Barium	ND	ug/L	100	10.0	1	11/05/13 08:12	11/06/13 10:07	7440-39-3	
Beryllium	ND	ug/L	4.0	2.0	1	11/05/13 08:12	11/06/13 10:07	7440-41-7	
Cadmium	ND	ug/L	5.0	2.5	1	11/05/13 08:12	11/06/13 10:07	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:07	7440-47-3	
Cobalt	ND	ug/L	50.0	25.0	1	11/05/13 08:12	11/06/13 10:07	7440-48-4	
Copper	ND	ug/L	20.0	10.0	1	11/05/13 08:12	11/06/13 10:07	7440-50-8	
Lead	**8.6J**	ug/L	10.0	4.0	1	11/05/13 08:12	11/06/13 10:07	7439-92-1	
Nickel	ND	ug/L	50.0	10.0	1	11/05/13 08:12	11/06/13 10:07	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:07	7782-49-2	
Silver	ND	ug/L	50.0	25.0	1	11/05/13 08:12	11/06/13 10:07	7440-22-4	
Thallium	ND	ug/L	2.0	2.0	1	11/09/13 14:26	11/11/13 13:40	7440-28-0	
Vanadium	ND	ug/L	50.0	25.0	1	11/05/13 08:12	11/06/13 10:07	7440-62-2	
Zinc	ND	ug/L	50.0	20.0	1	11/05/13 08:12	11/06/13 10:07	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1.0	1	11/05/13 10:15	11/06/13 13:52	7439-97-6	
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	83-32-9	
Acenaphthylene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	208-96-8	
Anthracene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	207-08-9	
Chrysene	ND	ug/L	0.51	0.25	1	11/04/13 10:52	11/05/13 03:40	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	53-70-3	
Fluoranthene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	206-44-0	
Fluorene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	193-39-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

Sample: FAW-MW02b(2-4)-110113EB **Lab ID: 5089283001** Collected: 11/01/13 11:00 Received: 11/02/13 11:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
2-Methylnaphthalene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	91-57-6	
Naphthalene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	91-20-3	
Phenanthrene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	85-01-8	
Pyrene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	82	%.	21-114		1	11/04/13 10:52	11/05/13 03:40	321-60-8	
p-Terphenyl-d14 (S)	96	%.	25-131		1	11/04/13 10:52	11/05/13 03:40	1718-51-0	
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzyl alcohol	ND	ug/L	20.2	10.1	1	11/04/13 10:52	11/04/13 19:56	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.2	10.1	1	11/04/13 10:52	11/04/13 19:56	59-50-7	
4-Chloroaniline	ND	ug/L	20.2	10.1	1	11/04/13 10:52	11/04/13 19:56	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.1	3.4	1	11/04/13 10:52	11/04/13 19:56	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	91-58-7	
2-Chlorophenol	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	7005-72-3	
Dibenzofuran	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	132-64-9	
2,4-Dichlorophenol	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	120-83-2	
Diethylphthalate	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	105-67-9	
Dimethylphthalate	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.5	25.3	1	11/04/13 10:52	11/04/13 19:56	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.5	50.5	1	11/04/13 10:52	11/04/13 19:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.1	2.5	1	11/04/13 10:52	11/04/13 19:56	117-81-7	
Hexachlorocyclopentadiene	ND	ug/L	20.2	20.2	1	11/04/13 10:52	11/04/13 19:56	77-47-4	
Hexachloroethane	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	67-72-1	
Isophorone	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.2	10.1	1	11/04/13 10:52	11/04/13 19:56		
2-Nitroaniline	ND	ug/L	50.5	25.3	1	11/04/13 10:52	11/04/13 19:56	88-74-4	
3-Nitroaniline	ND	ug/L	50.5	25.3	1	11/04/13 10:52	11/04/13 19:56	99-09-2	
4-Nitroaniline	ND	ug/L	50.5	25.3	1	11/04/13 10:52	11/04/13 19:56	100-01-6	
Nitrobenzene	ND	ug/L	5.1	5.1	1	11/04/13 10:52	11/04/13 19:56	98-95-3	
2-Nitrophenol	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	88-75-5	
4-Nitrophenol	ND	ug/L	50.5	50.5	1	11/04/13 10:52	11/04/13 19:56	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	86-30-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

Sample: FAW-MW02b(2-4)-110113EB **Lab ID: 5089283001** Collected: 11/01/13 11:00 Received: 11/02/13 11:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Phenol	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	77	%.	29-126		1	11/04/13 10:52	11/04/13 19:56	4165-60-0	
Phenol-d5 (S)	16	%.	10-47		1	11/04/13 10:52	11/04/13 19:56	4165-62-2	
2-Fluorophenol (S)	35	%.	10-67		1	11/04/13 10:52	11/04/13 19:56	367-12-4	
2,4,6-Tribromophenol (S)	97	%.	31-161		1	11/04/13 10:52	11/04/13 19:56	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/13/13 03:35	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/13/13 03:35	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/13/13 03:35	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/13/13 03:35	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/13/13 03:35	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/13/13 03:35	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/13/13 03:35	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/13/13 03:35	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/13/13 03:35	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-00-3	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

Sample: FAW-MW02b(2-4)-110113EB **Lab ID: 5089283001** Collected: 11/01/13 11:00 Received: 11/02/13 11:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chloroform	ND	ug/L	5.0	2.5	1		11/13/13 03:35	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/13/13 03:35	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/13/13 03:35	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/13/13 03:35	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	1.0	1		11/13/13 03:35	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-09-2	
Styrene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/13/13 03:35	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.0	1		11/13/13 03:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/13/13 03:35	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/13/13 03:35	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/13/13 03:35	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	50.0	1		11/13/13 03:35	110-57-6	
Surrogates									
Dibromofluoromethane (S)	99	%.	79-116		1		11/13/13 03:35	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114		1		11/13/13 03:35	460-00-4	
Toluene-d8 (S)	98	%.	81-110		1		11/13/13 03:35	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW01-110413 **Lab ID: 5089354001** Collected: 11/04/13 12:55 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Aluminum	ND	ug/L	1000	500	1	11/07/13 14:30	11/08/13 11:12	7429-90-5	
Antimony	**4.0J**	ug/L	6.0	3.0	1	11/07/13 14:30	11/08/13 11:12	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:12	7440-38-2	
Barium	**71.8J**	ug/L	100	10.0	1	11/07/13 14:30	11/08/13 11:12	7440-39-3	
Beryllium	ND	ug/L	4.0	2.0	1	11/07/13 14:30	11/08/13 11:12	7440-41-7	
Cadmium	ND	ug/L	5.0	2.5	1	11/07/13 14:30	11/08/13 11:12	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:12	7440-47-3	
Cobalt	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:12	7440-48-4	
Copper	ND	ug/L	20.0	10.0	1	11/07/13 14:30	11/08/13 11:12	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	11/07/13 14:30	11/08/13 11:12	7439-92-1	
Nickel	ND	ug/L	50.0	10.0	1	11/07/13 14:30	11/08/13 11:12	7440-02-0	
Selenium	**5.2J**	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:12	7782-49-2	
Silver	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:12	7440-22-4	
Thallium	ND	ug/L	2.0	5.0	1	11/09/13 14:26	11/11/13 13:42	7440-28-0	
Vanadium	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:12	7440-62-2	
Zinc	ND	ug/L	50.0	20.0	1	11/07/13 14:30	11/08/13 11:12	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1.0	1	11/07/13 10:09	11/08/13 15:35	7439-97-6	
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	83-32-9	
Acenaphthylene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	208-96-8	
Anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	207-08-9	
Chrysene	ND	ug/L	0.52	0.26	1	11/06/13 11:40	11/06/13 20:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	53-70-3	
Fluoranthene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	206-44-0	
Fluorene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	193-39-5	
2-Methylnaphthalene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	91-57-6	
Naphthalene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	91-20-3	
Phenanthrene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	85-01-8	
Pyrene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	80	%.	21-114		1	11/06/13 11:40	11/06/13 20:12	321-60-8	
p-Terphenyl-d14 (S)	98	%.	25-131		1	11/06/13 11:40	11/06/13 20:12	1718-51-0	
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzyl alcohol	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 03:49	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	85-68-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW01-110413 **Lab ID: 5089354001** Collected: 11/04/13 12:55 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Chloro-3-methylphenol	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 03:49	59-50-7	
4-Chloroaniline	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 03:49	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.2	3.5	1	11/06/13 11:40	11/07/13 03:49	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	91-58-7	
2-Chlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	7005-72-3	
Dibenzofuran	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	132-64-9	
2,4-Dichlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	120-83-2	
Diethylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	105-67-9	
Dimethylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 03:49	534-52-1	
2,4-Dinitrophenol	ND	ug/L	52.1	52.1	1	11/06/13 11:40	11/07/13 03:49	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	2.6	1	11/06/13 11:40	11/07/13 03:49	117-81-7	
Hexachlorocyclopentadiene	ND	ug/L	20.8	20.8	1	11/06/13 11:40	11/07/13 03:49	77-47-4	
Hexachloroethane	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	67-72-1	
Isophorone	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 03:49		
2-Nitroaniline	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 03:49	88-74-4	
3-Nitroaniline	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 03:49	99-09-2	
4-Nitroaniline	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 03:49	100-01-6	
Nitrobenzene	ND	ug/L	5.2	5.2	1	11/06/13 11:40	11/07/13 03:49	98-95-3	
2-Nitrophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	88-75-5	
4-Nitrophenol	ND	ug/L	52.1	52.1	1	11/06/13 11:40	11/07/13 03:49	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	86-30-6	
Phenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	108-95-2	1d
2,4,5-Trichlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	65	%.	29-126		1	11/06/13 11:40	11/07/13 03:49	4165-60-0	
Phenol-d5 (S)	13	%.	10-47		1	11/06/13 11:40	11/07/13 03:49	4165-62-2	
2-Fluorophenol (S)	26	%.	10-67		1	11/06/13 11:40	11/07/13 03:49	367-12-4	
2,4,6-Tribromophenol (S)	84	%.	31-161		1	11/06/13 11:40	11/07/13 03:49	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	79-34-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW01-110413 **Lab ID: 5089354001** Collected: 11/04/13 12:55 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/13 20:10	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/13 20:10	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/13 20:10	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/13 20:10	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/12/13 20:10	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/12/13 20:10	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/12/13 20:10	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/13 20:10	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/13 20:10	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/12/13 20:10	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/12/13 20:10	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/12/13 20:10	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/13 20:10	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/13 20:10	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-09-2	
Styrene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/13 20:10	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	108-88-3	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW01-110413 **Lab ID: 5089354001** Collected: 11/04/13 12:55 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/13 20:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/12/13 20:10	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/13 20:10	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/13 20:10	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/12/13 20:10	110-57-6	
Surrogates									
Dibromofluoromethane (S)	98	%.	79-116		1		11/12/13 20:10	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114		1		11/12/13 20:10	460-00-4	
Toluene-d8 (S)	98	%.	81-110		1		11/12/13 20:10	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-TB13-110413 **Lab ID: 5089354002** Collected: 11/04/13 08:00 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/13 18:01	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/13 18:01	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/13 18:01	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/13 18:01	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/12/13 18:01	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/12/13 18:01	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/12/13 18:01	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/13 18:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/13 18:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/12/13 18:01	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/12/13 18:01	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/12/13 18:01	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/13 18:01	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/13 18:01	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-TB13-110413 **Lab ID: 5089354002** Collected: 11/04/13 08:00 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/13 18:01	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/13 18:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/12/13 18:01	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/13 18:01	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/13 18:01	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/12/13 18:01	110-57-6	
Surrogates									
Dibromofluoromethane (S)	98	%.	79-116		1		11/12/13 18:01	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114		1		11/12/13 18:01	460-00-4	
Toluene-d8 (S)	99	%.	81-110		1		11/12/13 18:01	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413 **Lab ID: 5089354003** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Aluminum	ND	ug/L	1000	500	1	11/07/13 14:30	11/08/13 11:14	7429-90-5	
Antimony	ND	ug/L	6.0	3.0	1	11/07/13 14:30	11/08/13 11:14	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:14	7440-38-2	
Barium	**70.0J**	ug/L	100	10.0	1	11/07/13 14:30	11/08/13 11:14	7440-39-3	
Beryllium	ND	ug/L	4.0	2.0	1	11/07/13 14:30	11/08/13 11:14	7440-41-7	
Cadmium	ND	ug/L	5.0	2.5	1	11/07/13 14:30	11/08/13 11:14	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:14	7440-47-3	
Cobalt	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:14	7440-48-4	
Copper	ND	ug/L	20.0	10.0	1	11/07/13 14:30	11/08/13 11:14	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	11/07/13 14:30	11/08/13 11:14	7439-92-1	
Nickel	ND	ug/L	50.0	10.0	1	11/07/13 14:30	11/08/13 11:14	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:14	7782-49-2	
Silver	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:14	7440-22-4	
Thallium	ND	ug/L	2.0	5.0	1	11/09/13 14:26	11/11/13 13:48	7440-28-0	
Vanadium	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:14	7440-62-2	
Zinc	ND	ug/L	50.0	20.0	1	11/07/13 14:30	11/08/13 11:14	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1.0	1	11/07/13 10:09	11/08/13 15:37	7439-97-6	
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	83-32-9	
Acenaphthylene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	208-96-8	
Anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	207-08-9	
Chrysene	ND	ug/L	0.52	0.26	1	11/06/13 11:40	11/06/13 20:30	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	53-70-3	
Fluoranthene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	206-44-0	
Fluorene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	193-39-5	
2-Methylnaphthalene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	91-57-6	
Naphthalene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	91-20-3	
Phenanthrene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	85-01-8	
Pyrene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%.	21-114		1	11/06/13 11:40	11/06/13 20:30	321-60-8	
p-Terphenyl-d14 (S)	82	%.	25-131		1	11/06/13 11:40	11/06/13 20:30	1718-51-0	
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzyl alcohol	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 11:11	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	85-68-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413 **Lab ID: 5089354003** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Chloro-3-methylphenol	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 11:11	59-50-7	
4-Chloroaniline	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 11:11	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.2	3.5	1	11/06/13 11:40	11/07/13 11:11	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	91-58-7	
2-Chlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	7005-72-3	
Dibenzofuran	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	132-64-9	
2,4-Dichlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	120-83-2	
Diethylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	105-67-9	
Dimethylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 11:11	534-52-1	
2,4-Dinitrophenol	ND	ug/L	52.1	52.1	1	11/06/13 11:40	11/07/13 11:11	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	2.6	1	11/06/13 11:40	11/07/13 11:11	117-81-7	
Hexachlorocyclopentadiene	ND	ug/L	20.8	20.8	1	11/06/13 11:40	11/07/13 11:11	77-47-4	
Hexachloroethane	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	67-72-1	
Isophorone	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 11:11		
2-Nitroaniline	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 11:11	88-74-4	
3-Nitroaniline	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 11:11	99-09-2	
4-Nitroaniline	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 11:11	100-01-6	
Nitrobenzene	ND	ug/L	5.2	5.2	1	11/06/13 11:40	11/07/13 11:11	98-95-3	
2-Nitrophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	88-75-5	
4-Nitrophenol	ND	ug/L	52.1	52.1	1	11/06/13 11:40	11/07/13 11:11	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	86-30-6	
Phenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	108-95-2	1d
2,4,5-Trichlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	68	%.	29-126		1	11/06/13 11:40	11/07/13 11:11	4165-60-0	
Phenol-d5 (S)	14	%.	10-47		1	11/06/13 11:40	11/07/13 11:11	4165-62-2	
2-Fluorophenol (S)	27	%.	10-67		1	11/06/13 11:40	11/07/13 11:11	367-12-4	
2,4,6-Tribromophenol (S)	81	%.	31-161		1	11/06/13 11:40	11/07/13 11:11	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	79-34-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413 **Lab ID: 5089354003** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/13 20:42	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/13 20:42	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/13 20:42	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/13 20:42	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/12/13 20:42	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/12/13 20:42	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/12/13 20:42	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/13 20:42	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/13 20:42	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/12/13 20:42	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/12/13 20:42	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/12/13 20:42	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/13 20:42	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/13 20:42	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-09-2	
Styrene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/13 20:42	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	108-88-3	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413 **Lab ID: 5089354003** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/13 20:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/12/13 20:42	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/13 20:42	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/13 20:42	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/12/13 20:42	110-57-6	
Surrogates									
Dibromofluoromethane (S)	98	%.	79-116		1		11/12/13 20:42	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114		1		11/12/13 20:42	460-00-4	
Toluene-d8 (S)	98	%.	81-110		1		11/12/13 20:42	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413D **Lab ID: 5089354004** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Aluminum	ND	ug/L	1000	500	1	11/07/13 14:30	11/08/13 11:16	7429-90-5	
Antimony	ND	ug/L	6.0	3.0	1	11/07/13 14:30	11/08/13 11:16	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:16	7440-38-2	
Barium	**67.9J**	ug/L	100	10.0	1	11/07/13 14:30	11/08/13 11:16	7440-39-3	
Beryllium	ND	ug/L	4.0	2.0	1	11/07/13 14:30	11/08/13 11:16	7440-41-7	
Cadmium	ND	ug/L	5.0	2.5	1	11/07/13 14:30	11/08/13 11:16	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:16	7440-47-3	
Cobalt	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:16	7440-48-4	
Copper	ND	ug/L	20.0	10.0	1	11/07/13 14:30	11/08/13 11:16	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	11/07/13 14:30	11/08/13 11:16	7439-92-1	
Nickel	ND	ug/L	50.0	10.0	1	11/07/13 14:30	11/08/13 11:16	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:16	7782-49-2	
Silver	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:16	7440-22-4	
Thallium	ND	ug/L	2.0	5.0	1	11/09/13 14:26	11/11/13 13:50	7440-28-0	
Vanadium	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:16	7440-62-2	
Zinc	ND	ug/L	50.0	20.0	1	11/07/13 14:30	11/08/13 11:16	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1.0	1	11/07/13 10:09	11/08/13 15:39	7439-97-6	
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	83-32-9	
Acenaphthylene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	208-96-8	
Anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	207-08-9	
Chrysene	ND	ug/L	0.52	0.26	1	11/06/13 11:40	11/06/13 20:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	53-70-3	
Fluoranthene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	206-44-0	
Fluorene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	193-39-5	
2-Methylnaphthalene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	91-57-6	
Naphthalene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	91-20-3	
Phenanthrene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	85-01-8	
Pyrene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	82	%.	21-114		1	11/06/13 11:40	11/06/13 20:48	321-60-8	
p-Terphenyl-d14 (S)	87	%.	25-131		1	11/06/13 11:40	11/06/13 20:48	1718-51-0	
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzyl alcohol	ND	ug/L	UJ	20.6	10.3	1	11/06/13 11:40	11/07/13 10:31	100-51-6
4-Bromophenylphenyl ether	ND	ug/L		10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	101-55-3
Butylbenzylphthalate	ND	ug/L		10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	85-68-7

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413D **Lab ID: 5089354004** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Chloro-3-methylphenol	ND	ug/L	20.6	10.3	1	11/06/13 11:40	11/07/13 10:31	59-50-7	
4-Chloroaniline	ND	ug/L	20.6	10.3	1	11/06/13 11:40	11/07/13 10:31	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.2	3.5	1	11/06/13 11:40	11/07/13 10:31	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	91-58-7	
2-Chlorophenol	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	7005-72-3	
Dibenzofuran	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	132-64-9	
2,4-Dichlorophenol	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	120-83-2	
Diethylphthalate	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	105-67-9	
Dimethylphthalate	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	51.5	25.8	1	11/06/13 11:40	11/07/13 10:31	534-52-1	
2,4-Dinitrophenol	ND	ug/L	51.5	51.5	1	11/06/13 11:40	11/07/13 10:31	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	2.6	1	11/06/13 11:40	11/07/13 10:31	117-81-7	
Hexachlorocyclopentadiene	ND	ug/L	20.6	20.6	1	11/06/13 11:40	11/07/13 10:31	77-47-4	
Hexachloroethane	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	67-72-1	
Isophorone	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.6	10.3	1	11/06/13 11:40	11/07/13 10:31		
2-Nitroaniline	ND	ug/L	51.5	25.8	1	11/06/13 11:40	11/07/13 10:31	88-74-4	
3-Nitroaniline	ND	ug/L	51.5	25.8	1	11/06/13 11:40	11/07/13 10:31	99-09-2	
4-Nitroaniline	ND	ug/L	51.5	25.8	1	11/06/13 11:40	11/07/13 10:31	100-01-6	
Nitrobenzene	ND	ug/L	5.2	5.2	1	11/06/13 11:40	11/07/13 10:31	98-95-3	
2-Nitrophenol	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	88-75-5	
4-Nitrophenol	ND	ug/L	51.5	51.5	1	11/06/13 11:40	11/07/13 10:31	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	86-30-6	
Phenol	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	108-95-2	1d
2,4,5-Trichlorophenol	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%.	29-126		1	11/06/13 11:40	11/07/13 10:31	4165-60-0	
Phenol-d5 (S)	16	%.	10-47		1	11/06/13 11:40	11/07/13 10:31	4165-62-2	
2-Fluorophenol (S)	31	%.	10-67		1	11/06/13 11:40	11/07/13 10:31	367-12-4	
2,4,6-Tribromophenol (S)	91	%.	31-161		1	11/06/13 11:40	11/07/13 10:31	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	79-34-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413D **Lab ID: 5089354004** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	120-82-1	
1,2,4-Trimethylbenzene	**2.9J**	ug/L	5.0	2.5	1		11/12/13 21:15	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/13 21:15	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/13 21:15	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/13 21:15	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/13 21:15	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/12/13 21:15	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/12/13 21:15	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/12/13 21:15	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/13 21:15	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/13 21:15	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/12/13 21:15	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/12/13 21:15	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/12/13 21:15	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/13 21:15	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/13 21:15	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-09-2	
Styrene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/13 21:15	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	108-88-3	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413D **Lab ID: 5089354004** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/13 21:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/12/13 21:15	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/13 21:15	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/13 21:15	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/12/13 21:15	110-57-6	
Surrogates									
Dibromofluoromethane (S)	95	%.	79-116		1		11/12/13 21:15	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	80-114		1		11/12/13 21:15	460-00-4	
Toluene-d8 (S)	99	%.	81-110		1		11/12/13 21:15	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Sample: FAW-MW03-110413 **Lab ID: 5089445001** Collected: 11/04/13 16:30 Received: 11/06/13 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Aluminum	**872J**	ug/L	1000	500	1	11/07/13 14:30	11/12/13 09:51	7429-90-5	
Antimony	ND	ug/L	6.0	3.0	1	11/07/13 14:30	11/12/13 09:51	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/12/13 09:51	7440-38-2	
Barium	**51.0J**	ug/L	100	10.0	1	11/07/13 14:30	11/12/13 09:51	7440-39-3	
Beryllium	ND	ug/L	4.0	2.0	1	11/07/13 14:30	11/12/13 09:51	7440-41-7	
Cadmium	ND	ug/L	5.0	2.5	1	11/07/13 14:30	11/12/13 09:51	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/12/13 09:51	7440-47-3	
Cobalt	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/12/13 09:51	7440-48-4	
Copper	ND	ug/L	20.0	10.0	1	11/07/13 14:30	11/12/13 09:51	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	11/07/13 14:30	11/12/13 09:51	7439-92-1	
Nickel	ND	ug/L	50.0	10.0	1	11/07/13 14:30	11/12/13 09:51	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/12/13 09:51	7782-49-2	
Silver	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/12/13 09:51	7440-22-4	
Thallium	ND	ug/L	2.0	2.0	1	11/17/13 08:00	11/18/13 11:15	7440-28-0	
Vanadium	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/12/13 09:51	7440-62-2	
Zinc	ND	ug/L	50.0	20.0	1	11/07/13 14:30	11/12/13 09:51	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1.0	1	11/12/13 09:49	11/13/13 12:12	7439-97-6	
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.73J**	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	83-32-9	
Acenaphthylene	ND	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	208-96-8	
Anthracene	**0.21**	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	120-12-7	
Benzo(a)anthracene	**0.064J**	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	207-08-9	
Chrysene	ND	ug/L	0.52	0.26	1	11/11/13 14:09	11/12/13 19:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	53-70-3	
Fluoranthene	ND	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	206-44-0	
Fluorene	ND	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	193-39-5	
2-Methylnaphthalene	ND	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	91-57-6	
Naphthalene	ND	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	91-20-3	
Phenanthrene	ND	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	85-01-8	
Pyrene	ND	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	91	%.	21-114		1	11/11/13 14:09	11/12/13 19:12	321-60-8	
p-Terphenyl-d14 (S)	70	%.	25-131		1	11/11/13 14:09	11/12/13 19:12	1718-51-0	
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzyl alcohol	ND	ug/L	20.6	10.3	1	11/11/13 14:09	11/14/13 20:48	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	85-68-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Sample: FAW-MW03-110413 **Lab ID: 5089445001** Collected: 11/04/13 16:30 Received: 11/06/13 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Chloro-3-methylphenol	ND	ug/L	20.6	10.3	1	11/11/13 14:09	11/14/13 20:48	59-50-7	
4-Chloroaniline	ND	ug/L	20.6	10.3	1	11/11/13 14:09	11/14/13 20:48	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.2	3.5	1	11/11/13 14:09	11/14/13 20:48	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	91-58-7	
2-Chlorophenol	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	7005-72-3	
Dibenzofuran	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	132-64-9	
2,4-Dichlorophenol	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	120-83-2	
Diethylphthalate	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	105-67-9	
Dimethylphthalate	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	51.5	25.8	1	11/11/13 14:09	11/14/13 20:48	534-52-1	
2,4-Dinitrophenol	ND	ug/L	51.5	51.5	1	11/11/13 14:09	11/14/13 20:48	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	2.6	1	11/11/13 14:09	11/14/13 20:48	117-81-7	
Hexachlorocyclopentadiene	ND	ug/L	20.6	20.6	1	11/11/13 14:09	11/14/13 20:48	77-47-4	
Hexachloroethane	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	67-72-1	
Isophorone	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.6	10.3	1	11/11/13 14:09	11/14/13 20:48		
2-Nitroaniline	ND	ug/L	51.5	25.8	1	11/11/13 14:09	11/14/13 20:48	88-74-4	
3-Nitroaniline	ND	ug/L	51.5	25.8	1	11/11/13 14:09	11/14/13 20:48	99-09-2	
4-Nitroaniline	ND	ug/L	51.5	25.8	1	11/11/13 14:09	11/14/13 20:48	100-01-6	
Nitrobenzene	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	98-95-3	
2-Nitrophenol	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	88-75-5	
4-Nitrophenol	ND	ug/L	51.5	51.5	1	11/11/13 14:09	11/14/13 20:48	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	86-30-6	
Phenol	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	75	%.	29-126		1	11/11/13 14:09	11/14/13 20:48	4165-60-0	
Phenol-d5 (S)	16	%.	10-47		1	11/11/13 14:09	11/14/13 20:48	4165-62-2	
2-Fluorophenol (S)	29	%.	10-67		1	11/11/13 14:09	11/14/13 20:48	367-12-4	
2,4,6-Tribromophenol (S)	77	%.	31-161		1	11/11/13 14:09	11/14/13 20:48	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	79-34-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Sample: FAW-MW03-110413 **Lab ID: 5089445001** Collected: 11/04/13 16:30 Received: 11/06/13 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/13/13 05:23	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/13/13 05:23	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/13/13 05:23	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/13/13 05:23	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/13/13 05:23	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/13/13 05:23	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/13/13 05:23	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/13/13 05:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/13/13 05:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/13/13 05:23	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/13/13 05:23	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/13/13 05:23	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/13/13 05:23	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/13/13 05:23	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-09-2	
Styrene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/13/13 05:23	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	108-88-3	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Sample: FAW-MW03-110413 **Lab ID: 5089445001** Collected: 11/04/13 16:30 Received: 11/06/13 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Trichloroethene	ND	ug/L	5.0	1.0	1		11/13/13 05:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/13/13 05:23	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/13/13 05:23	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/13/13 05:23	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/13/13 05:23	110-57-6	
Surrogates									
Dibromofluoromethane (S)	99	%.	79-116		1		11/13/13 05:23	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114		1		11/13/13 05:23	460-00-4	
Toluene-d8 (S)	97	%.	81-110		1		11/13/13 05:23	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Sample: FAW-TB14-110413 **Lab ID: 5089445002** Collected: 11/04/13 08:00 Received: 11/06/13 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/13/13 07:05	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/13/13 07:05	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/13/13 07:05	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/13/13 07:05	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/13/13 07:05	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/13/13 07:05	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/13/13 07:05	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/13/13 07:05	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/13/13 07:05	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/13/13 07:05	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/13/13 07:05	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/13/13 07:05	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/13/13 07:05	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/13/13 07:05	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Sample: FAW-TB14-110413 **Lab ID: 5089445002** Collected: 11/04/13 08:00 Received: 11/06/13 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/13/13 07:05	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.0	1		11/13/13 07:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/13/13 07:05	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/13/13 07:05	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/13/13 07:05	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/13/13 07:05	110-57-6	
Surrogates									
Dibromofluoromethane (S)	98	%.	79-116		1		11/13/13 07:05	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114		1		11/13/13 07:05	460-00-4	
Toluene-d8 (S)	97	%.	81-110		1		11/13/13 07:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
Not NELAP Accredited
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Sample: FAW-IDW05-110413 **Lab ID: 5089445003** Collected: 11/04/13 16:50 Received: 11/06/13 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.54	0.27	1	11/07/13 12:05	11/08/13 14:45	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.54	0.27	1	11/07/13 12:05	11/08/13 14:45	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.54	0.27	1	11/07/13 12:05	11/08/13 14:45	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.54	0.27	1	11/07/13 12:05	11/08/13 14:45	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.54	0.27	1	11/07/13 12:05	11/08/13 14:45	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.54	0.27	1	11/07/13 12:05	11/08/13 14:45	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.54	0.27	1	11/07/13 12:05	11/08/13 14:45	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	90	%.	32-115		1	11/07/13 12:05	11/08/13 14:45	877-09-8	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

APPENDIX E
LABORATORY DATA REPORTS AND AFFIDAVITS

Affidavit of VAP Certified Laboratory

[For VAP certified laboratories to attest to "certified data" under OAC 3745-300-13(N) and OAC 3745-300-04(A). Note that Ohio EPA is to receive a legible copy of the CL's affidavit. The entity that received the CL's analytical report under affidavit may retain the CL's affidavit original.]

State of Indiana)
) ss:
County of Marion)

I, Kenneth Hunt, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by Pace Analytical Services - Indianapolis ("the laboratory") as Project Manager. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. Pace Analytical Services - Indianapolis performed analyses for Weston Solutions for a voluntary action at property known as FAW 20405.016.008.2234.00.

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
5089270	November 18, 2013

6. Pace Analytical Services - Indianapolis was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification, number CL0065. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses – see Method Cross Reference Table. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any: The analyses specified below (a) may not have been or were not performed consistent with laboratory's procedures as required by its Ohio EPA-approved SOP or QAPP, or (b) are not encompassed by VAP's certified lab program.

Sample Number / Document ID	Analyte / Parameter Group	Method
5089270003, 007, 009, 011	FOC	ASTM D2974
5089270001, 005, 008, 012	pH	SW846 9045

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Kenneth Hunt
Signature of Affiant

Sworn to before me and subscribed in my presence this 25th day of Nov., 2013

Sharon M Strange
Notary Public

Sharon M Strange
OFFICIAL SEAL
STATE OF INDIANA
MARION COUNTY
NOTARY PUBLIC
MY COMMISSION EXPIRES: (11/05/2016)

5089270

Affidavit of VAP Certified Laboratory

[For VAP certified laboratories to attest to "certified data" under OAC 3745-300-13(N) and OAC 3745-300-04(A). Note that Ohio EPA is to receive a legible copy of the CL's affidavit. The entity that received the CL's analytical report under affidavit may retain the CL's affidavit original.]

State of Indiana)
) ss:
County of Marion)

I, Kenneth Hunt, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by Pace Analytical Services - Indianapolis ("the laboratory") as Project Manager. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. Pace Analytical Services - Indianapolis performed analyses for Weston Solutions for a voluntary action at property known as FAW 20405.016.008.2234.00.

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
5089181	November 15, 2013

6. Pace Analytical Services - Indianapolis was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification, number CL0065. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses – see Method Cross Reference Table. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any: The analyses specified below (a) may not have been or were not performed consistent with laboratory's procedures as required by its Ohio EPA-approved SOP or QAPP, or (b) are not encompassed by VAP's certified lab program.

Sample Number / Document ID	Analyte / Parameter Group	Method
5089181003	FOC	ASTM D2974
5089181001	pH	SW846 9045

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Kenneth Hunt
Signature of Affiant

Sworn to before me and subscribed in my presence this 15th day of Nov., 2013

Sharon M Strange
Notary Public

5089181

Affidavit of VAP Certified Laboratory

[For VAP certified laboratories to attest to "certified data" under OAC 3745-300-13(N) and OAC 3745-300-04(A). Note that Ohio EPA is to receive a legible copy of the CL's affidavit. The entity that received the CL's analytical report under affidavit may retain the CL's affidavit original.]

State of Indiana)
) ss:
County of Marion)

I, Kenneth Hunt, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by Pace Analytical Services - Indianapolis ("the laboratory") as Project Manager. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. Pace Analytical Services - Indianapolis performed analyses for Weston Solutions for a voluntary action at property known as FAW 20405.016.008.2234.00.

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
5089445	November 20, 2013

6. Pace Analytical Services - Indianapolis was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification, number CL0065. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses – see Method Cross Reference Table. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any: Not applicable

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Kenneth Hunt
Signature of Affiant

Sworn to before me and subscribed in my presence this 22nd day of Nov., 2013

Sharon M Strange
Notary Public

5089445

Affidavit of VAP Certified Laboratory

[For VAP certified laboratories to attest to "certified data" under OAC 3745-300-13(N) and OAC 3745-300-04(A). Note that Ohio EPA is to receive a legible copy of the CL's affidavit. The entity that received the CL's analytical report under affidavit may retain the CL's affidavit original.]

State of Indiana)
) ss:
County of Marion)

I, Kenneth Hunt, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by Pace Analytical Services - Indianapolis ("the laboratory") as Project Manager. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. Pace Analytical Services - Indianapolis performed analyses for Weston Solutions for a voluntary action at property known as FAW 20405.016.008.2234.00.

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
5089280	November 15, 2013

6. Pace Analytical Services - Indianapolis was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification, number CL0065. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses – see Method Cross Reference Table. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any: The analyses specified below (a) may not have been or were not performed consistent with laboratory's procedures as required by its Ohio EPA-approved SOP or QAPP, or (b) are not encompassed by VAP's certified lab program.

Sample Number / Document ID	Analyte / Parameter Group	Method
5089280-010	TCLP-RCRA 8 Metals	SW-846 6010B/7470
5089280-010	TCLP-VOCS	SW-846 8260
5089280-010	TCLP-SVOCS	SW-846 8270
5089280-010	Flashpoint	SW-846 1010
5089280-003, -004	pH	SW-846 9045
5089280-010	TCLP-Pesticides	SW-846 8081

5089280-010	TCLP-Herbicides	SW-846 8151
5089280-002, -006	FOC	ASTM 2974

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Kenneth Hunt
Signature of Affiant

Sworn to before me and subscribed in my presence this 22nd day of Nov., 2013

Sharon M Strange
Notary Public

Sharon M Strange OFFICIAL SEAL STATE OF INDIANA MARION COUNTY NOTARY PUBLIC MY COMMISSION EXPIRES: (11/05/2016)

5089280

Affidavit of VAP Certified Laboratory

[For VAP certified laboratories to attest to "certified data" under OAC 3745-300-13(N) and OAC 3745-300-04(A). Note that Ohio EPA is to receive a legible copy of the CL's affidavit. The entity that received the CL's analytical report under affidavit may retain the CL's affidavit original.]

State of Indiana)
) ss:
County of Marion)

I, Kenneth Hunt, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by Pace Analytical Services - Indianapolis ("the laboratory") as Project Manager. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. Pace Analytical Services - Indianapolis performed analyses for Weston Solutions for a voluntary action at property known as FAW 20405.016.008.2234.00.

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
5089354	November 16, 2013

6. Pace Analytical Services - Indianapolis was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification, number CL0065. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses – see Method Cross Reference Table. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any: Not applicable

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Kenneth Hunt
Signature of Affiant

Sworn to before me and subscribed in my presence this 22nd day of Nov., 2013

Sharon M Strange
Notary Public

5089354

Revised 5/09, 8/09, 4/11; consistent with OAC 3745-300-04 (10/14/06, and rev. eff. 3/1/09 versions)

Affidavit of VAP Certified Laboratory

[For VAP certified laboratories to attest to "certified data" under OAC 3745-300-13(N) and OAC 3745-300-04(A). Note that Ohio EPA is to receive a legible copy of the CL's affidavit. The entity that received the CL's analytical report under affidavit may retain the CL's affidavit original.]

State of Indiana)
) ss:
County of Marion)

I, Kenneth Hunt, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by Pace Analytical Services - Indianapolis ("the laboratory") as Project Manager. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. Pace Analytical Services - Indianapolis performed analyses for Weston Solutions for a voluntary action at property known as FAW 20405.016.008.2234.00.

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
5089046	November 12, 2013

6. Pace Analytical Services - Indianapolis was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification, number CL0065. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses – see Method Cross Reference Table. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any: The analyses specified below (a) may not have been or were not performed consistent with laboratory's procedures as required by its Ohio EPA-approved SOP or QAPP, or (b) are not encompassed by VAP's certified lab program.

Sample Number / Document ID	Analyte / Parameter Group	Method
5089046-005	TCLP-RCRA 8 Metals	SW-846 6010B/7470
5089046-005	TCLP-VOCS	SW-846 8260
5089046-005	TCLP-SVOCS	SW-846 8270
5089046-005	Flashpoint	SW-846 1010
5089046-002	pH	SW-846 9045
5089046-005	TCLP-Pesticides	SW-846 8081

5089046-005	TCLP-Herbicides	SW-846 8151
5089046-001	FOC	ASTM 2974

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Kenneth Hunt
Signature of Affiant

Sworn to before me and subscribed in my presence this 13th day of Nov., 2013.

Sharon M Strange
Notary Public

5089046

Affidavit of VAP Certified Laboratory

[For VAP certified laboratories to attest to "certified data" under OAC 3745-300-13(N) and OAC 3745-300-04(A). Note that Ohio EPA is to receive a legible copy of the CL's affidavit. The entity that received the CL's analytical report under affidavit may retain the CL's affidavit original.]

State of Indiana)
) ss:
County of Marion)

I, Kenneth Hunt, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by Pace Analytical Services - Indianapolis ("the laboratory") as Project Manager. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. Pace Analytical Services - Indianapolis performed analyses for Weston Solutions for a voluntary action at property known as FAW 20405.016.008.2234.00.

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
5089041	November 12, 2013

6. Pace Analytical Services - Indianapolis was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification, number CL0065. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses – see Method Cross Reference Table. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any: The analyses specified below (a) may not have been or were not performed consistent with laboratory's procedures as required by its Ohio EPA-approved SOP or QAPP, or (b) are not encompassed by VAP's certified lab program.

Sample Number / Document ID	Analyte / Parameter Group	Method
5089041001, 002	FOC	ASTM D2974
5089041003	pH	SW846 9045

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Signature of Affiant

Sworn to before me and subscribed in my presence this 13th day of Nov., 2013.

Notary Public

5089041

Affidavit of VAP Certified Laboratory

[For VAP certified laboratories to attest to "certified data" under OAC 3745-300-13(N) and OAC 3745-300-04(A). Note that Ohio EPA is to receive a legible copy of the CL's affidavit. The entity that received the CL's analytical report under affidavit may retain the CL's affidavit original.]

State of Indiana)
) ss:
County of Marion)

I, Kenneth Hunt, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by Pace Analytical Services - Indianapolis ("the laboratory") as Project Manager. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. Pace Analytical Services - Indianapolis performed analyses for Weston Solutions for a voluntary action at property known as FAW 20405.016.008.2234.00.

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
5089109	November 12, 2013

6. Pace Analytical Services - Indianapolis was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification, number CL0065. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses – see Method Cross Reference Table. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any: The analyses specified below (a) may not have been or were not performed consistent with laboratory's procedures as required by its Ohio EPA-approved SOP or QAPP, or (b) are not encompassed by VAP's certified lab program.

Sample Number / Document ID	Analyte / Parameter Group	Method
5089109001	FOC	ASTM D2974
5089109002	pH	SW846 9045

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Kenneth Hurst
Signature of Affiant

Sworn to before me and subscribed in my presence this 13th day of Nov., 2013

Sharon M Strange
Notary Public

5089109

Affidavit of VAP Certified Laboratory

[For VAP certified laboratories to attest to "certified data" under OAC 3745-300-13(N) and OAC 3745-300-04(A). Note that Ohio EPA is to receive a legible copy of the CL's affidavit. The entity that received the CL's analytical report under affidavit may retain the CL's affidavit original.]

State of Indiana)
) ss:
County of Marion)

I, Kenneth Hunt, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by Pace Analytical Services - Indianapolis ("the laboratory") as Project Manager. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. Pace Analytical Services - Indianapolis performed analyses for Weston Solutions for a voluntary action at property known as FAW 20405.016.008.2234.00.

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
5089111	November 13, 2013

6. Pace Analytical Services - Indianapolis was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification, number CL0065. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses – see Method Cross Reference Table. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any: The analyses specified below (a) may not have been or were not performed consistent with laboratory's procedures as required by its Ohio EPA-approved SOP or QAPP, or (b) are not encompassed by VAP's certified lab program.

Sample Number / Document ID	Analyte / Parameter Group	Method
5089111-007	TCLP-RCRA 8 Metals	SW-846 6010B/7470
5089111-007	TCLP-VOCS	SW-846 8260
5089111-007	TCLP-SVOCS	SW-846 8270
5089111-007	Flashpoint	SW-846 1010
5089111-002	pH	SW-846 9045
5089111-007	TCLP-Pesticides	SW-846 8081

5089111-007	TCLP-Herbicides	SW-846 8151
5089111-001	FOC	ASTM 2974

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Signature of Affiant

Sworn to before me and subscribed in my presence this 13th day of Nov., 2013

Notary Public

5089111

Affidavit of VAP Certified Laboratory

[For VAP certified laboratories to attest to "certified data" under OAC 3745-300-13(N) and OAC 3745-300-04(A). Note that Ohio EPA is to receive a legible copy of the CL's affidavit. The entity that received the CL's analytical report under affidavit may retain the CL's affidavit original.]

State of Indiana)
) ss:
County of Marion)

I, Kenneth Hunt, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by Pace Analytical Services - Indianapolis ("the laboratory") as Project Manager. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. Pace Analytical Services - Indianapolis performed analyses for Weston Solutions for a voluntary action at property known as FAW 20405.016.008.2234.00.

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
5089283	November 14, 2013

6. Pace Analytical Services - Indianapolis was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification, number CL0065. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses – see Method Cross Reference Table. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any: Not applicable

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Kenneth Hunt

Signature of Affiant

Sworn to before me and subscribed in my presence this 15th day of Nov., 2013

Sharon M Strange
Notary Public

5089283

Affidavit of VAP Certified Laboratory

[For VAP certified laboratories to attest to "certified data" under OAC 3745-300-13(N) and OAC 3745-300-04(A). Note that Ohio EPA is to receive a legible copy of the CL's affidavit. The entity that received the CL's analytical report under affidavit may retain the CL's affidavit original.]

State of Indiana)
) ss:
County of Marion)

I, Kenneth Hunt, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by Pace Analytical Services - Indianapolis ("the laboratory") as Project Manager. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. Pace Analytical Services - Indianapolis performed analyses for Weston Solutions for a voluntary action at property known as FAW 20405.016.008.2234.00.

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
5089269	November 14, 2013

6. Pace Analytical Services - Indianapolis was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification, number CL0065. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses – see Method Cross Reference Table. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any: Not applicable

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Signature of Affiant

Sworn to before me and subscribed in my presence this 15th day of Nov., 2013

Sharon M Strange
Notary Public

5089269

Affidavit of VAP Certified Laboratory

[For VAP certified laboratories to attest to "certified data" under OAC 3745-300-13(N) and OAC 3745-300-04(A). Note that Ohio EPA is to receive a legible copy of the CL's affidavit. The entity that received the CL's analytical report under affidavit may retain the CL's affidavit original.]

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) ss:
County of Marion)

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5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
5089175	November 14, 2013

6. Pace Analytical Services - Indianapolis was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification, number CL0065. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses – see Method Cross Reference Table. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any: The analyses specified below (a) may not have been or were not performed consistent with laboratory's procedures as required by its Ohio EPA-approved SOP or QAPP, or (b) are not encompassed by VAP's certified lab program.

Sample Number / Document ID	Analyte / Parameter Group	Method
5089175001	FOC	ASTM D2974
5089175002	pH	SW846 9045

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Kenneth Hunt
Signature of Affiant

Sworn to before me and subscribed in my presence this 15th day of Nov., 2013.

Sharon M Strange
Notary Public

Sharon M Strange
OFFICIAL SEAL
STATE OF INDIANA
MARION COUNTY
NOTARY PUBLIC
MY COMMISSION EXPIRES: (11/05/2016)

5089175

Affidavit of VAP Certified Laboratory

[For VAP certified laboratories to attest to "certified data" under OAC 3745-300-13(N) and OAC 3745-300-04(A). Note that Ohio EPA is to receive a legible copy of the CL's affidavit. The entity that received the CL's analytical report under affidavit may retain the CL's affidavit original.]

State of Indiana)
) ss:
County of Marion)

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4. Pace Analytical Services - Indianapolis performed analyses for Weston Solutions for a voluntary action at property known as FAW 20405.016.008.2234.00.

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
5089281	November 14, 2013

6. Pace Analytical Services - Indianapolis was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification, number CL0065. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses – see Method Cross Reference Table. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any: Not applicable

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Kenneth Hunt
Signature of Affiant

Sworn to before me and subscribed in my presence this 15th day of Nov., 2013

Sharon M Strange
Notary Public

5089281

Affidavit of VAP Certified Laboratory

[For VAP certified laboratories to attest to "certified data" under OAC 3745-300-13(N) and OAC 3745-300-04(A). Note that Ohio EPA is to receive a legible copy of the CL's affidavit. The entity that received the CL's analytical report under affidavit may retain the CL's affidavit original.]

State of Indiana)
) ss:
County of Marion)

I, Kenneth Hunt, being first duly sworn according to law, state that, to the best of my knowledge, information and belief:

1. I am an adult over the age of eighteen years old and competent to testify herein.

2. I am employed by Pace Analytical Services - Indianapolis ("the laboratory") as Project Manager. I am authorized to submit this affidavit on behalf of the laboratory.

3. The purpose of this submission is to support a request for a no further action letter or other aspects of a voluntary action, under Ohio's Voluntary Action Program (VAP) as set forth in Ohio Revised Code Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300.

4. Pace Analytical Services - Indianapolis performed analyses for Weston Solutions for a voluntary action at property known as FAW 20405.016.008.2234.00.

5. This affidavit applies to and is submitted with the following information, data, documents or reports for the property:

Document ID	Date of Document
5089243	November 13, 2013

6. Pace Analytical Services - Indianapolis was a VAP certified laboratory pursuant to OAC 3745-300-04 when it performed the analyses referenced herein.

7. All analyses under this affidavit consist of VAP "certified data" as described in OAC 3745-300-04(A) - - unless paragraph b., below, specifies the exceptions:

   a. The laboratory performed the analyses within its current VAP certification, number CL0065. The laboratory was certified for each analyte, parameter group and method used at the time that it performed the analyses – see Method Cross Reference Table. The analyses were performed consistent with the laboratory's standard operating procedures and quality assurance program plan as approved under OAC 3745-300-04.

   b. Exceptions, if any: The analyses specified below (a) may not have been or were not performed consistent with laboratory's procedures as required by its Ohio EPA-approved SOP or QAPP, or (b) are not encompassed by VAP's certified lab program.

Sample Number / Document ID	Analyte / Parameter Group	Method
5089243003, 006 & 010	FOC	ASTM D2974
5089243002, 005 & 009	pH	SW846 9045

8. The information, data, documents and reports identified under this affidavit are true, accurate and complete.

Further affiant sayeth naught.

Kenneth Hunt
Signature of Affiant

Sworn to before me and subscribed in my presence this 15th day of Nov., 2013.

Sharon M Strange
Notary Public

Sharon M Strange
OFFICIAL SEAL
STATE OF INDIANA
MARION COUNTY
NOTARY PUBLIC
MY COMMISSION EXPIRES: (11/05/2016)

5089243

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

November 11, 2013

Ms. Laura Funk
Weston Solutions
711 East Monument Ave
Dayton, OH 45402

RE: Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Dear Ms. Funk:
Enclosed are the analytical results for sample(s) received by the laboratory on October 29, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tina Sayer for
Kenneth Hunt
kenneth.hunt@pacelabs.com
Project Manager

Enclosures

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Indianapolis, IN 46268
(317)875-5894

CERTIFICATIONS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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7726 Moller Road
Indianapolis, IN 46268
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SAMPLE SUMMARY

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5089041001	**FAW-MW01(0-2)-102813**	Solid	10/28/13 12:45	10/29/13 09:51
5089041002	**FAW-MW01(0-2)-102813D**	Solid	10/28/13 12:45	10/29/13 09:51
5089041003	**FAW-MW01(2-4)-102813**	Solid	10/28/13 12:55	10/29/13 09:51
5089041004	**FAW-MW01(8-10)-102813**	Solid	10/28/13 13:00	10/29/13 09:51
5089041005	**FAW-MW01(24-26)-102813**	Solid	10/28/13 13:45	10/29/13 09:51
5089041006	**Trip Blank**	Water	10/28/13 08:00	10/29/13 09:51

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5089041001	**FAW-MW01(0-2)-102813**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	ALA	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089041002	**FAW-MW01(0-2)-102813D**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	ALA	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089041003	**FAW-MW01(2-4)-102813**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	ALA	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
		EPA 9045	TPD	1	PASI-I
5089041004	**FAW-MW01(8-10)-102813**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	ALA	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089041005	**FAW-MW01(24-26)-102813**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	ALA	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089041006	**Trip Blank**	EPA 8260	ALA	68	PASI-I

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813 **Lab ID: 5089041001** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**751**	mg/kg	232	58.0	10	10/30/13 10:05	10/31/13 12:04		
TPH (C10-C20)	**178**	mg/kg	116	58.0	10	10/30/13 10:05	10/31/13 12:04		
TPH (C20-C34)	**573**	mg/kg	116	58.0	10	10/30/13 10:05	10/31/13 12:04		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	10/30/13 10:05	10/31/13 12:04	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	115	57.5	1	10/30/13 11:39	11/01/13 15:36	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	115	57.5	1	10/30/13 11:39	11/01/13 15:36	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	115	57.5	1	10/30/13 11:39	11/01/13 15:36	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	115	57.5	1	10/30/13 11:39	11/01/13 15:36	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	115	57.5	1	10/30/13 11:39	11/01/13 15:36	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	115	57.5	1	10/30/13 11:39	11/01/13 15:36	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	115	57.5	1	10/30/13 11:39	11/01/13 15:36	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	43	%.	30-106		1	10/30/13 11:39	11/01/13 15:36	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.97	0.48	1		11/05/13 03:23		
Surrogates									
4-Bromofluorobenzene (S)	88	%.	38-163		1		11/05/13 03:23	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11100**	mg/kg	54.0	27.0	1	10/30/13 10:53	10/31/13 08:52	7429-90-5	
Antimony	**6.6**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-36-0	
Arsenic	**28.1**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-38-2	
Barium	**559**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-39-3	
Beryllium	**1.6**	mg/kg	0.54	0.27	1	10/30/13 10:53	10/31/13 08:52	7440-41-7	
Cadmium	**2.1J**	mg/kg	2.2	0.54	1	10/30/13 10:53	10/31/13 08:52	7440-43-9	
Chromium	**28.8**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-47-3	
Cobalt	**8.1**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-48-4	
Copper	**199**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-50-8	
Lead	**931**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7439-92-1	
Nickel	**24.6**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7782-49-2	
Silver	**3.3**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-28-0	
Vanadium	**22.7**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-62-2	
Zinc	**531**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 08:52	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**1.5**	mg/kg	0.22	0.19	1	10/31/13 11:20	11/01/13 11:56	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813 **Lab ID: 5089041001** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**3870**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	83-32-9	
Acenaphthylene	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	208-96-8	
Anthracene	**11900**	ug/kg	3830	1910	10	10/29/13 18:21	11/07/13 16:11	120-12-7	
Benzo(a)anthracene	**16800**	ug/kg	3830	1910	10	10/29/13 18:21	11/07/13 16:11	56-55-3	
Benzo(a)pyrene	**13200**	ug/kg	1970	1910	10	10/29/13 18:21	11/07/13 16:11	50-32-8	
Benzo(b)fluoranthene	**15700**	ug/kg	3830	1910	10	10/29/13 18:21	11/07/13 16:11	205-99-2	
Benzo(g,h,i)perylene	**6560**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	191-24-2	
Benzo(k)fluoranthene	**3490**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	207-08-9	
Benzyl alcohol	ND	ug/kg	766	383	1	10/29/13 18:21	11/01/13 23:15	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	101-55-3	
Butylbenzylphthalate	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	766	383	1	10/29/13 18:21	11/01/13 23:15	59-50-7	
4-Chloroaniline	ND	ug/kg	766	383	1	10/29/13 18:21	11/01/13 23:15	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	108-60-1	
2-Chloronaphthalene	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	91-58-7	
2-Chlorophenol	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	7005-72-3	
Chrysene	**17000**	ug/kg	3830	1910	10	10/29/13 18:21	11/07/13 16:11	218-01-9	
Dibenz(a,h)anthracene	**2700**	ug/kg	197	191	1	10/29/13 18:21	11/01/13 23:15	53-70-3	
Dibenzofuran	**3710**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	120-83-2	
Diethylphthalate	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	105-67-9	
Dimethylphthalate	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	131-11-3	
Di-n-butylphthalate	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1860	928	1	10/29/13 18:21	11/01/13 23:15	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1860	1860	1	10/29/13 18:21	11/01/13 23:15	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	606-20-2	
Di-n-octylphthalate	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	117-81-7	
Fluoranthene	**34800**	ug/kg	3830	1910	10	10/29/13 18:21	11/07/13 16:11	206-44-0	
Fluorene	**5210**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	383	383	1	10/29/13 18:21	11/01/13 23:15	77-47-4	
Hexachloroethane	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	67-72-1	
Indeno(1,2,3-cd)pyrene	**7500**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	193-39-5	
Isophorone	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	78-59-1	
2-Methylnaphthalene	**1040**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	766	383	1	10/29/13 18:21	11/01/13 23:15		
Naphthalene	**2110**	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	91-20-3	
2-Nitroaniline	ND	ug/kg	1860	928	1	10/29/13 18:21	11/01/13 23:15	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813 **Lab ID: 5089041001** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1860	928	1	10/29/13 18:21	11/01/13 23:15	99-09-2	
4-Nitroaniline	ND	ug/kg	1860	928	1	10/29/13 18:21	11/01/13 23:15	100-01-6	
Nitrobenzene	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	98-95-3	
2-Nitrophenol	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	88-75-5	
4-Nitrophenol	ND	ug/kg	1860	928	1	10/29/13 18:21	11/01/13 23:15	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	86-30-6	
Phenanthrene	**35800**	ug/kg	3830	1910	10	10/29/13 18:21	11/07/13 16:11	85-01-8	
Phenol	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	108-95-2	
Pyrene	**28200**	ug/kg	3830	1910	10	10/29/13 18:21	11/07/13 16:11	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	383	191	1	10/29/13 18:21	11/01/13 23:15	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	59	%.	28-101		1	10/29/13 18:21	11/01/13 23:15	4165-60-0	
2-Fluorobiphenyl (S)	61	%.	31-94		1	10/29/13 18:21	11/01/13 23:15	321-60-8	
p-Terphenyl-d14 (S)	69	%.	26-110		1	10/29/13 18:21	11/01/13 23:15	1718-51-0	
Phenol-d5 (S)	60	%.	28-101		1	10/29/13 18:21	11/01/13 23:15	4165-62-2	
2-Fluorophenol (S)	56	%.	24-104		1	10/29/13 18:21	11/01/13 23:15	367-12-4	
2,4,6-Tribromophenol (S)	57	%.	16-122		1	10/29/13 18:21	11/01/13 23:15	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.12	0.061	1		11/08/13 16:02	67-64-1	
Acrolein	ND	mg/kg	0.12	0.061	1		11/08/13 16:02	107-02-8	
Benzene	ND	mg/kg	0.0061	0.0012	1		11/08/13 16:02	71-43-2	
Bromobenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	108-86-1	
Bromochloromethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-27-4	
Bromoform	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-25-2	
Bromomethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.030	0.015	1		11/08/13 16:02	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	98-06-6	
Carbon disulfide	ND	mg/kg	0.012	0.0030	1		11/08/13 16:02	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	56-23-5	
Chlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	108-90-7	
Chloroethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-00-3	
Chloroform	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	67-66-3	
Chloromethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	124-48-1	
Dibromomethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813 **Lab ID: 5089041001** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.12	0.061	1		11/08/13 16:02	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.12	0.061	1		11/08/13 16:02	97-63-2	
n-Hexane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	110-54-3	N2
2-Hexanone	ND	mg/kg	0.12	0.061	1		11/08/13 16:02	591-78-6	
Iodomethane	ND	mg/kg	0.12	0.061	1		11/08/13 16:02	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	99-87-6	
Methylene Chloride	ND	mg/kg	0.024	0.012	1		11/08/13 16:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.030	0.015	1		11/08/13 16:02	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	103-65-1	
Styrene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0061	0.0012	1		11/08/13 16:02	127-18-4	
Toluene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	79-00-5	
Trichloroethene	ND	mg/kg	0.0061	0.0012	1		11/08/13 16:02	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	108-67-8	
Vinyl acetate	ND	mg/kg	0.12	0.061	1		11/08/13 16:02	108-05-4	
Vinyl chloride	ND	mg/kg	0.0061	0.0030	1		11/08/13 16:02	75-01-4	
Xylene (Total)	ND	mg/kg	0.012	0.0061	1		11/08/13 16:02	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	116	%.	85-118		1		11/08/13 16:02	1868-53-7	
Toluene-d8 (S)	113	%.	71-128		1		11/08/13 16:02	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813 **Lab ID: 5089041001** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	86	%.	56-144		1		11/08/13 16:02	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.8**	%	0.10	0.10	1		10/31/13 11:10		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813D **Lab ID: 5089041002** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**709**	mg/kg	234	58.4	10	10/30/13 10:05	10/31/13 12:24		
TPH (C10-C20)	**192**	mg/kg	117	58.4	10	10/30/13 10:05	10/31/13 12:24		
TPH (C20-C34)	**517**	mg/kg	117	58.4	10	10/30/13 10:05	10/31/13 12:24		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	10/30/13 10:05	10/31/13 12:24	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	118	59.0	1	10/30/13 11:39	11/01/13 15:42	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	118	59.0	1	10/30/13 11:39	11/01/13 15:42	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	118	59.0	1	10/30/13 11:39	11/01/13 15:42	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	118	59.0	1	10/30/13 11:39	11/01/13 15:42	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	118	59.0	1	10/30/13 11:39	11/01/13 15:42	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	118	59.0	1	10/30/13 11:39	11/01/13 15:42	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	118	59.0	1	10/30/13 11:39	11/01/13 15:42	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	40	%.	30-106		1	10/30/13 11:39	11/01/13 15:42	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.0	0.50	1		11/05/13 03:48		
Surrogates									
4-Bromofluorobenzene (S)	105	%.	38-163		1		11/05/13 03:48	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**10100**	mg/kg	51.3	25.7	1	10/30/13 10:53	10/31/13 08:54	7429-90-5	
Antimony	**16.6**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-36-0	
Arsenic	**18.2**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-38-2	
Barium	**357**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-39-3	
Beryllium	**1.2**	mg/kg	0.51	0.26	1	10/30/13 10:53	10/31/13 08:54	7440-41-7	
Cadmium	**1.6J**	mg/kg	2.1	0.51	1	10/30/13 10:53	10/31/13 08:54	7440-43-9	
Chromium	**18.9**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-47-3	
Cobalt	**5.1**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-48-4	
Copper	**155**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-50-8	
Lead	**721**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7439-92-1	
Nickel	**21.2**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-02-0	
Selenium	ND	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7782-49-2	
Silver	**6.1**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-22-4	
Thallium	ND	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-28-0	
Vanadium	**17.3**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-62-2	
Zinc	**431**	mg/kg	2.1	1.0	1	10/30/13 10:53	10/31/13 08:54	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**2.8**	mg/kg	0.49	0.41	2	10/31/13 11:20	11/01/13 12:18	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813D **Lab ID: 5089041002** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**1440**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	83-32-9	
Acenaphthylene	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	208-96-8	
Anthracene	**3770**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	120-12-7	
Benzo(a)anthracene	**5860**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	56-55-3	
Benzo(a)pyrene	**4680**	ug/kg	199	193	1	10/29/13 18:21	11/01/13 23:36	50-32-8	
Benzo(b)fluoranthene	**5860**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	205-99-2	
Benzo(g,h,i)perylene	**2700**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	191-24-2	
Benzo(k)fluoranthene	**2250**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	207-08-9	
Benzyl alcohol	ND	ug/kg	771	386	1	10/29/13 18:21	11/01/13 23:36	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	101-55-3	
Butylbenzylphthalate	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	771	386	1	10/29/13 18:21	11/01/13 23:36	59-50-7	
4-Chloroaniline	ND	ug/kg	771	386	1	10/29/13 18:21	11/01/13 23:36	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	108-60-1	
2-Chloronaphthalene	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	91-58-7	
2-Chlorophenol	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	7005-72-3	
Chrysene	**5840**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	218-01-9	
Dibenz(a,h)anthracene	**945**	ug/kg	199	193	1	10/29/13 18:21	11/01/13 23:36	53-70-3	
Dibenzofuran	**1470**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	120-83-2	
Diethylphthalate	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	105-67-9	
Dimethylphthalate	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	131-11-3	
Di-n-butylphthalate	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1870	935	1	10/29/13 18:21	11/01/13 23:36	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1870	1870	1	10/29/13 18:21	11/01/13 23:36	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	606-20-2	
Di-n-octylphthalate	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	117-81-7	
Fluoranthene	**12100**	ug/kg	3860	1930	10	10/29/13 18:21	11/07/13 16:31	206-44-0	
Fluorene	**1980**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	386	386	1	10/29/13 18:21	11/01/13 23:36	77-47-4	
Hexachloroethane	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	67-72-1	
Indeno(1,2,3-cd)pyrene	**3100**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	193-39-5	
Isophorone	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	78-59-1	
2-Methylnaphthalene	**532**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	771	386	1	10/29/13 18:21	11/01/13 23:36		
Naphthalene	**1040**	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	91-20-3	
2-Nitroaniline	ND	ug/kg	1870	935	1	10/29/13 18:21	11/01/13 23:36	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813D **Lab ID: 5089041002** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1870	935	1	10/29/13 18:21	11/01/13 23:36	99-09-2	
4-Nitroaniline	ND	ug/kg	1870	935	1	10/29/13 18:21	11/01/13 23:36	100-01-6	
Nitrobenzene	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	98-95-3	
2-Nitrophenol	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	88-75-5	
4-Nitrophenol	ND	ug/kg	1870	935	1	10/29/13 18:21	11/01/13 23:36	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	86-30-6	
Phenanthrene	**12600**	ug/kg	3860	1930	10	10/29/13 18:21	11/07/13 16:31	85-01-8	
Phenol	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	108-95-2	
Pyrene	**9600**	ug/kg	3860	1930	10	10/29/13 18:21	11/07/13 16:31	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	386	193	1	10/29/13 18:21	11/01/13 23:36	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	53	%.	28-101		1	10/29/13 18:21	11/01/13 23:36	4165-60-0	
2-Fluorobiphenyl (S)	56	%.	31-94		1	10/29/13 18:21	11/01/13 23:36	321-60-8	
p-Terphenyl-d14 (S)	62	%.	26-110		1	10/29/13 18:21	11/01/13 23:36	1718-51-0	
Phenol-d5 (S)	50	%.	28-101		1	10/29/13 18:21	11/01/13 23:36	4165-62-2	
2-Fluorophenol (S)	47	%.	24-104		1	10/29/13 18:21	11/01/13 23:36	367-12-4	
2,4,6-Tribromophenol (S)	50	%.	16-122		1	10/29/13 18:21	11/01/13 23:36	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.10	0.051	1		11/08/13 09:30	67-64-1	
Acrolein	ND	mg/kg	0.10	0.051	1		11/08/13 09:30	107-02-8	
Benzene	ND	mg/kg	0.0051	0.0010	1		11/08/13 09:30	71-43-2	
Bromobenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	108-86-1	
Bromochloromethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-27-4	
Bromoform	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-25-2	
Bromomethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.025	0.012	1		11/08/13 09:30	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	98-06-6	
Carbon disulfide	ND	mg/kg	0.010	0.0025	1		11/08/13 09:30	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	56-23-5	
Chlorobenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	108-90-7	
Chloroethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-00-3	
Chloroform	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	67-66-3	
Chloromethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	124-48-1	
Dibromomethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813D **Lab ID: 5089041002** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.10	0.051	1		11/08/13 09:30	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.10	0.051	1		11/08/13 09:30	97-63-2	
n-Hexane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	110-54-3	N2
2-Hexanone	ND	mg/kg	0.10	0.051	1		11/08/13 09:30	591-78-6	
Iodomethane	ND	mg/kg	0.10	0.051	1		11/08/13 09:30	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	99-87-6	
Methylene Chloride	ND	mg/kg	0.020	0.010	1		11/08/13 09:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.025	0.012	1		11/08/13 09:30	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	103-65-1	
Styrene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0051	0.0010	1		11/08/13 09:30	127-18-4	
Toluene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	79-00-5	
Trichloroethene	ND	mg/kg	0.0051	0.0010	1		11/08/13 09:30	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	108-67-8	
Vinyl acetate	ND	mg/kg	0.10	0.051	1		11/08/13 09:30	108-05-4	
Vinyl chloride	ND	mg/kg	0.0051	0.0025	1		11/08/13 09:30	75-01-4	
Xylene (Total)	ND	mg/kg	0.010	0.0051	1		11/08/13 09:30	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	113	%.	85-118		1		11/08/13 09:30	1868-53-7	
Toluene-d8 (S)	105	%.	71-128		1		11/08/13 09:30	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(0-2)-102813D **Lab ID: 5089041002** Collected: 10/28/13 12:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	95	%.	56-144		1		11/08/13 09:30	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.3**	%	0.10	0.10	1		10/31/13 11:10		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(2-4)-102813 **Lab ID: 5089041003** Collected: 10/28/13 12:55 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**89.8**	mg/kg	22.6	5.7	1	10/30/13 10:05	10/31/13 18:03		
TPH (C10-C20)	**25.9**	mg/kg	11.3	5.7	1	10/30/13 10:05	10/31/13 18:03		
TPH (C20-C34)	**63.9**	mg/kg	11.3	5.7	1	10/30/13 10:05	10/31/13 18:03		
Surrogates									
n-Pentacosane (S)	191	%.	30-153		1	10/30/13 10:05	10/31/13 18:03	629-99-2	2d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 15:48	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 15:48	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 15:48	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 15:48	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 15:48	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 15:48	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 15:48	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	57	%.	30-106		1	10/30/13 11:39	11/01/13 15:48	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.3	0.63	1		11/05/13 04:13		
Surrogates									
4-Bromofluorobenzene (S)	96	%.	38-163		1		11/05/13 04:13	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11200**	mg/kg	50.8	25.4	1	10/30/13 10:53	10/31/13 08:56	7429-90-5	
Antimony	**1.0J**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-36-0	
Arsenic	**16.5**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-38-2	
Barium	**228**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-39-3	
Beryllium	**1.2**	mg/kg	0.51	0.25	1	10/30/13 10:53	10/31/13 08:56	7440-41-7	
Cadmium	**1.1J**	mg/kg	2.0	0.51	1	10/30/13 10:53	10/31/13 08:56	7440-43-9	
Chromium	**16.1**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-47-3	
Cobalt	**6.0**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-48-4	
Copper	**58.5**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-50-8	
Lead	**344**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7439-92-1	
Nickel	**18.5**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-02-0	
Selenium	ND	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7782-49-2	
Silver	ND	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-22-4	
Thallium	ND	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-28-0	
Vanadium	**20.5**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-62-2	
Zinc	**320**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 08:56	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**1.7**	mg/kg	0.24	0.20	1	10/31/13 11:20	11/01/13 12:00	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(2-4)-102813 **Lab ID: 5089041003** Collected: 10/28/13 12:55 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	83-32-9	
Acenaphthylene	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	208-96-8	
Anthracene	**245J**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	120-12-7	
Benzo(a)anthracene	**685**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	56-55-3	
Benzo(a)pyrene	**678**	ug/kg	193	187	1	10/29/13 18:21	11/01/13 23:56	50-32-8	
Benzo(b)fluoranthene	**926**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	205-99-2	
Benzo(g,h,i)perylene	**431**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	191-24-2	
Benzo(k)fluoranthene	**283J**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	207-08-9	
Benzyl alcohol	ND	ug/kg	749	374	1	10/29/13 18:21	11/01/13 23:56	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	101-55-3	
Butylbenzylphthalate	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	749	374	1	10/29/13 18:21	11/01/13 23:56	59-50-7	
4-Chloroaniline	ND	ug/kg	749	374	1	10/29/13 18:21	11/01/13 23:56	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	108-60-1	
2-Chloronaphthalene	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	91-58-7	
2-Chlorophenol	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	7005-72-3	
Chrysene	**760**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	193	187	1	10/29/13 18:21	11/01/13 23:56	53-70-3	
Dibenzofuran	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	120-83-2	
Diethylphthalate	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	105-67-9	
Dimethylphthalate	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	131-11-3	
Di-n-butylphthalate	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1810	907	1	10/29/13 18:21	11/01/13 23:56	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1810	1810	1	10/29/13 18:21	11/01/13 23:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	606-20-2	
Di-n-octylphthalate	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	117-81-7	
Fluoranthene	**1440**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	206-44-0	
Fluorene	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	374	374	1	10/29/13 18:21	11/01/13 23:56	77-47-4	
Hexachloroethane	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	67-72-1	
Indeno(1,2,3-cd)pyrene	**442**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	193-39-5	
Isophorone	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	78-59-1	
2-Methylnaphthalene	**199J**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	749	374	1	10/29/13 18:21	11/01/13 23:56		
Naphthalene	**213J**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	91-20-3	
2-Nitroaniline	ND	ug/kg	1810	907	1	10/29/13 18:21	11/01/13 23:56	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(2-4)-102813 **Lab ID: 5089041003** Collected: 10/28/13 12:55 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1810	907	1	10/29/13 18:21	11/01/13 23:56	99-09-2	
4-Nitroaniline	ND	ug/kg	1810	907	1	10/29/13 18:21	11/01/13 23:56	100-01-6	
Nitrobenzene	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	98-95-3	
2-Nitrophenol	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	88-75-5	
4-Nitrophenol	ND	ug/kg	1810	907	1	10/29/13 18:21	11/01/13 23:56	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	86-30-6	
Phenanthrene	**989**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	85-01-8	
Phenol	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	108-95-2	
Pyrene	**1270**	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	374	187	1	10/29/13 18:21	11/01/13 23:56	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	66	%.	28-101		1	10/29/13 18:21	11/01/13 23:56	4165-60-0	
2-Fluorobiphenyl (S)	63	%.	31-94		1	10/29/13 18:21	11/01/13 23:56	321-60-8	
p-Terphenyl-d14 (S)	75	%.	26-110		1	10/29/13 18:21	11/01/13 23:56	1718-51-0	
Phenol-d5 (S)	66	%.	28-101		1	10/29/13 18:21	11/01/13 23:56	4165-62-2	
2-Fluorophenol (S)	62	%.	24-104		1	10/29/13 18:21	11/01/13 23:56	367-12-4	
2,4,6-Tribromophenol (S)	60	%.	16-122		1	10/29/13 18:21	11/01/13 23:56	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.10	0.051	1		11/08/13 10:08	67-64-1	
Acrolein	ND	mg/kg	0.10	0.051	1		11/08/13 10:08	107-02-8	
Benzene	ND	mg/kg	0.0051	0.0010	1		11/08/13 10:08	71-43-2	
Bromobenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	108-86-1	
Bromochloromethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-27-4	
Bromoform	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-25-2	
Bromomethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.026	0.012	1		11/08/13 10:08	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	98-06-6	
Carbon disulfide	ND	mg/kg	0.010	0.0026	1		11/08/13 10:08	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	56-23-5	
Chlorobenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	108-90-7	
Chloroethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-00-3	
Chloroform	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	67-66-3	
Chloromethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	124-48-1	
Dibromomethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(2-4)-102813 **Lab ID: 5089041003** Collected: 10/28/13 12:55 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.10	0.051	1		11/08/13 10:08	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.10	0.051	1		11/08/13 10:08	97-63-2	
n-Hexane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	110-54-3	N2
2-Hexanone	ND	mg/kg	0.10	0.051	1		11/08/13 10:08	591-78-6	
Iodomethane	ND	mg/kg	0.10	0.051	1		11/08/13 10:08	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	99-87-6	
Methylene Chloride	ND	mg/kg	0.021	0.010	1		11/08/13 10:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.026	0.012	1		11/08/13 10:08	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	103-65-1	
Styrene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0051	0.0010	1		11/08/13 10:08	127-18-4	
Toluene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	79-00-5	
Trichloroethene	ND	mg/kg	0.0051	0.0010	1		11/08/13 10:08	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	108-67-8	
Vinyl acetate	ND	mg/kg	0.10	0.051	1		11/08/13 10:08	108-05-4	
Vinyl chloride	ND	mg/kg	0.0051	0.0026	1		11/08/13 10:08	75-01-4	
Xylene (Total)	ND	mg/kg	0.010	0.0051	1		11/08/13 10:08	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	113	%.	85-118		1		11/08/13 10:08	1868-53-7	
Toluene-d8 (S)	119	%.	71-128		1		11/08/13 10:08	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(2-4)-102813 **Lab ID: 5089041003** Collected: 10/28/13 12:55 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	79	%.	56-144		1		11/08/13 10:08	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.1**	%	0.10	0.10	1		10/31/13 11:10		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.6**	Std. Units	0.10		1		10/30/13 12:38		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(8-10)-102813 **Lab ID: 5089041004** Collected: 10/28/13 13:00 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**75.6**	mg/kg	21.4	5.3	1	10/30/13 10:05	10/31/13 12:37		
TPH (C10-C20)	**22.8**	mg/kg	10.7	5.3	1	10/30/13 10:05	10/31/13 12:37		
TPH (C20-C34)	**52.8**	mg/kg	10.7	5.3	1	10/30/13 10:05	10/31/13 12:37		
Surrogates									
n-Pentacosane (S)	193	%.	30-153		1	10/30/13 10:05	10/31/13 12:37	629-99-2	2d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	107	53.3	1	10/30/13 11:39	11/01/13 15:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	107	53.3	1	10/30/13 11:39	11/01/13 15:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	107	53.3	1	10/30/13 11:39	11/01/13 15:53	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	107	53.3	1	10/30/13 11:39	11/01/13 15:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	107	53.3	1	10/30/13 11:39	11/01/13 15:53	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	107	53.3	1	10/30/13 11:39	11/01/13 15:53	11097-69-1	
PCB-1260 (Aroclor 1260)	**147**	ug/kg	107	53.3	1	10/30/13 11:39	11/01/13 15:53	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	71	%.	30-106		1	10/30/13 11:39	11/01/13 15:53	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.91	0.45	1		11/05/13 04:38		
Surrogates									
4-Bromofluorobenzene (S)	102	%.	38-163		1		11/05/13 04:38	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7160**	mg/kg	47.6	23.8	1	10/30/13 10:53	10/31/13 08:58	7429-90-5	
Antimony	ND	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-36-0	
Arsenic	**11.7**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-38-2	
Barium	**275**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-39-3	
Beryllium	**0.63**	mg/kg	0.48	0.24	1	10/30/13 10:53	10/31/13 08:58	7440-41-7	
Cadmium	**0.64J**	mg/kg	1.9	0.48	1	10/30/13 10:53	10/31/13 08:58	7440-43-9	
Chromium	**10.1**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-47-3	
Cobalt	**6.9**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-48-4	
Copper	**38.9**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-50-8	
Lead	**204**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7439-92-1	
Nickel	**17.1**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-02-0	
Selenium	ND	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7782-49-2	
Silver	ND	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-22-4	
Thallium	ND	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-28-0	
Vanadium	**16.6**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-62-2	
Zinc	**218**	mg/kg	1.9	0.95	1	10/30/13 10:53	10/31/13 08:58	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.34**	mg/kg	0.21	0.18	1	10/31/13 11:20	11/01/13 12:08	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(8-10)-102813 **Lab ID: 5089041004** Collected: 10/28/13 13:00 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	83-32-9	
Acenaphthylene	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	208-96-8	
Anthracene	**195J**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	120-12-7	
Benzo(a)anthracene	**456**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	56-55-3	
Benzo(a)pyrene	**358**	ug/kg	182	176	1	10/29/13 18:21	11/02/13 00:17	50-32-8	
Benzo(b)fluoranthene	**519**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	205-99-2	
Benzo(g,h,i)perylene	**305J**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	191-24-2	
Benzo(k)fluoranthene	**225J**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	207-08-9	
Benzyl alcohol	ND	ug/kg	706	353	1	10/29/13 18:21	11/02/13 00:17	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	101-55-3	
Butylbenzylphthalate	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	706	353	1	10/29/13 18:21	11/02/13 00:17	59-50-7	
4-Chloroaniline	ND	ug/kg	706	353	1	10/29/13 18:21	11/02/13 00:17	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	108-60-1	
2-Chloronaphthalene	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	91-58-7	
2-Chlorophenol	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	7005-72-3	
Chrysene	**514**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	182	176	1	10/29/13 18:21	11/02/13 00:17	53-70-3	
Dibenzofuran	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	120-83-2	
Diethylphthalate	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	105-67-9	
Dimethylphthalate	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	131-11-3	
Di-n-butylphthalate	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1710	855	1	10/29/13 18:21	11/02/13 00:17	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1710	1710	1	10/29/13 18:21	11/02/13 00:17	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	606-20-2	
Di-n-octylphthalate	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	117-81-7	
Fluoranthene	**970**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	206-44-0	
Fluorene	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	353	353	1	10/29/13 18:21	11/02/13 00:17	77-47-4	
Hexachloroethane	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	67-72-1	
Indeno(1,2,3-cd)pyrene	**300J**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	193-39-5	
Isophorone	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	78-59-1	
2-Methylnaphthalene	**227J**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	706	353	1	10/29/13 18:21	11/02/13 00:17		
Naphthalene	**237J**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	91-20-3	
2-Nitroaniline	ND	ug/kg	1710	855	1	10/29/13 18:21	11/02/13 00:17	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(8-10)-102813 **Lab ID: 5089041004** Collected: 10/28/13 13:00 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1710	855	1	10/29/13 18:21	11/02/13 00:17	99-09-2	
4-Nitroaniline	ND	ug/kg	1710	855	1	10/29/13 18:21	11/02/13 00:17	100-01-6	
Nitrobenzene	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	98-95-3	
2-Nitrophenol	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	88-75-5	
4-Nitrophenol	ND	ug/kg	1710	855	1	10/29/13 18:21	11/02/13 00:17	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	86-30-6	
Phenanthrene	**1130**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	85-01-8	
Phenol	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	108-95-2	
Pyrene	**869**	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	353	176	1	10/29/13 18:21	11/02/13 00:17	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	63	%.	28-101		1	10/29/13 18:21	11/02/13 00:17	4165-60-0	
2-Fluorobiphenyl (S)	66	%.	31-94		1	10/29/13 18:21	11/02/13 00:17	321-60-8	
p-Terphenyl-d14 (S)	88	%.	26-110		1	10/29/13 18:21	11/02/13 00:17	1718-51-0	
Phenol-d5 (S)	68	%.	28-101		1	10/29/13 18:21	11/02/13 00:17	4165-62-2	
2-Fluorophenol (S)	63	%.	24-104		1	10/29/13 18:21	11/02/13 00:17	367-12-4	
2,4,6-Tribromophenol (S)	66	%.	16-122		1	10/29/13 18:21	11/02/13 00:17	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.095	0.048	1		11/08/13 10:46	67-64-1	
Acrolein	ND	mg/kg	0.095	0.048	1		11/08/13 10:46	107-02-8	
Benzene	**0.0011J**	mg/kg	0.0048	0.00095	1		11/08/13 10:46	71-43-2	
Bromobenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	108-86-1	
Bromochloromethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-27-4	
Bromoform	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-25-2	
Bromomethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.024	0.011	1		11/08/13 10:46	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	98-06-6	
Carbon disulfide	ND	mg/kg	0.0095	0.0024	1		11/08/13 10:46	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	56-23-5	
Chlorobenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	108-90-7	
Chloroethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-00-3	
Chloroform	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	67-66-3	
Chloromethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	124-48-1	
Dibromomethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(8-10)-102813 **Lab ID: 5089041004** Collected: 10/28/13 13:00 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.095	0.048	1		11/08/13 10:46	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.095	0.048	1		11/08/13 10:46	97-63-2	
n-Hexane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	110-54-3	N2
2-Hexanone	ND	mg/kg	0.095	0.048	1		11/08/13 10:46	591-78-6	
Iodomethane	ND	mg/kg	0.095	0.048	1		11/08/13 10:46	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	99-87-6	
Methylene Chloride	ND	mg/kg	0.019	0.0095	1		11/08/13 10:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.024	0.011	1		11/08/13 10:46	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	103-65-1	
Styrene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0048	0.00095	1		11/08/13 10:46	127-18-4	
Toluene	**0.066**	mg/kg	0.0048	0.0024	1		11/08/13 10:46	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	79-00-5	
Trichloroethene	ND	mg/kg	0.0048	0.00095	1		11/08/13 10:46	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	108-67-8	
Vinyl acetate	ND	mg/kg	0.095	0.048	1		11/08/13 10:46	108-05-4	
Vinyl chloride	ND	mg/kg	0.0048	0.0024	1		11/08/13 10:46	75-01-4	
Xylene (Total)	ND	mg/kg	0.0095	0.0048	1		11/08/13 10:46	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	106	%.	85-118		1		11/08/13 10:46	1868-53-7	
Toluene-d8 (S)	113	%.	71-128		1		11/08/13 10:46	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(8-10)-102813 **Lab ID: 5089041004** Collected: 10/28/13 13:00 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	87	%.	56-144		1		11/08/13 10:46	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.4**	%	0.10	0.10	1		10/31/13 11:10		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(24-26)-102813 **Lab ID: 5089041005** Collected: 10/28/13 13:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**5.8J**	mg/kg	22.9	5.7	1	10/30/13 10:05	10/31/13 12:44		
TPH (C10-C20)	ND	mg/kg	11.4	5.7	1	10/30/13 10:05	10/31/13 12:44		
TPH (C20-C34)	ND	mg/kg	11.4	5.7	1	10/30/13 10:05	10/31/13 12:44		
Surrogates									
n-Pentacosane (S)	86	%.	30-153		1	10/30/13 10:05	10/31/13 12:44	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	114	56.8	1	10/30/13 11:39	11/01/13 15:59	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	114	56.8	1	10/30/13 11:39	11/01/13 15:59	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	114	56.8	1	10/30/13 11:39	11/01/13 15:59	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	114	56.8	1	10/30/13 11:39	11/01/13 15:59	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	114	56.8	1	10/30/13 11:39	11/01/13 15:59	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	114	56.8	1	10/30/13 11:39	11/01/13 15:59	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	114	56.8	1	10/30/13 11:39	11/01/13 15:59	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	67	%.	30-106		1	10/30/13 11:39	11/01/13 15:59	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.83	0.41	1		11/05/13 05:02		
Surrogates									
4-Bromofluorobenzene (S)	105	%.	38-163		1		11/05/13 05:02	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**5300**	mg/kg	49.7	24.9	1	10/30/13 10:53	10/31/13 09:00	7429-90-5	
Antimony	ND	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-36-0	
Arsenic	**9.1**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-38-2	
Barium	**78.6**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-39-3	
Beryllium	**0.40J**	mg/kg	0.50	0.25	1	10/30/13 10:53	10/31/13 09:00	7440-41-7	
Cadmium	ND	mg/kg	2.0	0.50	1	10/30/13 10:53	10/31/13 09:00	7440-43-9	
Chromium	**8.5**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-47-3	
Cobalt	**5.2**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-48-4	
Copper	**23.2**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-50-8	
Lead	**115**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7439-92-1	
Nickel	**17.9**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-02-0	
Selenium	ND	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7782-49-2	
Silver	ND	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-22-4	
Thallium	ND	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-28-0	
Vanadium	**13.0**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-62-2	
Zinc	**99.2**	mg/kg	2.0	0.99	1	10/30/13 10:53	10/31/13 09:00	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	0.20	1	10/31/13 11:20	11/01/13 12:10	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(24-26)-102813 **Lab ID: 5089041005** Collected: 10/28/13 13:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	83-32-9	
Acenaphthylene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	208-96-8	
Anthracene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	120-12-7	
Benzo(a)anthracene	**245J**	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	56-55-3	
Benzo(a)pyrene	**222**	ug/kg	194	189	1	10/29/13 18:21	11/02/13 00:38	50-32-8	
Benzo(b)fluoranthene	**280J**	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	207-08-9	
Benzyl alcohol	ND	ug/kg	755	377	1	10/29/13 18:21	11/02/13 00:38	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	101-55-3	
Butylbenzylphthalate	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	755	377	1	10/29/13 18:21	11/02/13 00:38	59-50-7	
4-Chloroaniline	ND	ug/kg	755	377	1	10/29/13 18:21	11/02/13 00:38	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	108-60-1	
2-Chloronaphthalene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	91-58-7	
2-Chlorophenol	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	7005-72-3	
Chrysene	**259J**	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	194	189	1	10/29/13 18:21	11/02/13 00:38	53-70-3	
Dibenzofuran	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	120-83-2	
Diethylphthalate	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	105-67-9	
Dimethylphthalate	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	131-11-3	
Di-n-butylphthalate	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1830	915	1	10/29/13 18:21	11/02/13 00:38	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1830	1830	1	10/29/13 18:21	11/02/13 00:38	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	606-20-2	
Di-n-octylphthalate	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	117-81-7	
Fluoranthene	**628**	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	206-44-0	
Fluorene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	377	377	1	10/29/13 18:21	11/02/13 00:38	77-47-4	
Hexachloroethane	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	193-39-5	
Isophorone	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	78-59-1	
2-Methylnaphthalene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	755	377	1	10/29/13 18:21	11/02/13 00:38		
Naphthalene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	91-20-3	
2-Nitroaniline	ND	ug/kg	1830	915	1	10/29/13 18:21	11/02/13 00:38	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(24-26)-102813 **Lab ID: 5089041005** Collected: 10/28/13 13:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1830	915	1	10/29/13 18:21	11/02/13 00:38	99-09-2	
4-Nitroaniline	ND	ug/kg	1830	915	1	10/29/13 18:21	11/02/13 00:38	100-01-6	
Nitrobenzene	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	98-95-3	
2-Nitrophenol	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	88-75-5	
4-Nitrophenol	ND	ug/kg	1830	915	1	10/29/13 18:21	11/02/13 00:38	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	86-30-6	
Phenanthrene	**620**	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	85-01-8	
Phenol	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	108-95-2	
Pyrene	**492**	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	377	189	1	10/29/13 18:21	11/02/13 00:38	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	67	%.	28-101		1	10/29/13 18:21	11/02/13 00:38	4165-60-0	
2-Fluorobiphenyl (S)	62	%.	31-94		1	10/29/13 18:21	11/02/13 00:38	321-60-8	
p-Terphenyl-d14 (S)	71	%.	26-110		1	10/29/13 18:21	11/02/13 00:38	1718-51-0	
Phenol-d5 (S)	74	%.	28-101		1	10/29/13 18:21	11/02/13 00:38	4165-62-2	
2-Fluorophenol (S)	72	%.	24-104		1	10/29/13 18:21	11/02/13 00:38	367-12-4	
2,4,6-Tribromophenol (S)	70	%.	16-122		1	10/29/13 18:21	11/02/13 00:38	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.087	0.044	1		11/08/13 11:24	67-64-1	
Acrolein	ND	mg/kg	0.087	0.044	1		11/08/13 11:24	107-02-8	
Benzene	ND	mg/kg	0.0044	0.00087	1		11/08/13 11:24	71-43-2	
Bromobenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	108-86-1	
Bromochloromethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-27-4	
Bromoform	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-25-2	
Bromomethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.022	0.010	1		11/08/13 11:24	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	98-06-6	
Carbon disulfide	ND	mg/kg	0.0087	0.0022	1		11/08/13 11:24	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	56-23-5	
Chlorobenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	108-90-7	
Chloroethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-00-3	
Chloroform	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	67-66-3	
Chloromethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	124-48-1	
Dibromomethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(24-26)-102813 **Lab ID: 5089041005** Collected: 10/28/13 13:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.087	0.044	1		11/08/13 11:24	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.087	0.044	1		11/08/13 11:24	97-63-2	
n-Hexane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	110-54-3	N2
2-Hexanone	ND	mg/kg	0.087	0.044	1		11/08/13 11:24	591-78-6	
Iodomethane	ND	mg/kg	0.087	0.044	1		11/08/13 11:24	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	99-87-6	
Methylene Chloride	ND	mg/kg	0.017	0.0087	1		11/08/13 11:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.022	0.010	1		11/08/13 11:24	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	103-65-1	
Styrene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0044	0.00087	1		11/08/13 11:24	127-18-4	
Toluene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	79-00-5	
Trichloroethene	ND	mg/kg	0.0044	0.00087	1		11/08/13 11:24	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	108-67-8	
Vinyl acetate	ND	mg/kg	0.087	0.044	1		11/08/13 11:24	108-05-4	
Vinyl chloride	ND	mg/kg	0.0044	0.0022	1		11/08/13 11:24	75-01-4	
Xylene (Total)	ND	mg/kg	0.0087	0.0044	1		11/08/13 11:24	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	109	%.	85-118		1		11/08/13 11:24	1868-53-7	
Toluene-d8 (S)	109	%.	71-128		1		11/08/13 11:24	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: FAW-MW01(24-26)-102813 **Lab ID: 5089041005** Collected: 10/28/13 13:45 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	86	%.	56-144		1		11/08/13 11:24	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.1**	%	0.10	0.10	1		10/31/13 11:11		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: Trip Blank **Lab ID: 5089041006** Collected: 10/28/13 08:00 Received: 10/29/13 09:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	5.0	1		11/08/13 20:08	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/08/13 20:08	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/08/13 20:08	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/08/13 20:08	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/08/13 20:08	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/08/13 20:08	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/08/13 20:08	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/08/13 20:08	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/08/13 20:08	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/08/13 20:08	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/08/13 20:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/08/13 20:08	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/08/13 20:08	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/08/13 20:08	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/08/13 20:08	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/08/13 20:08	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/08/13 20:08	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Sample: Trip Blank **Lab ID: 5089041006** Collected: 10/28/13 08:00 Received: 10/29/13 09:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/08/13 20:08	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	108-88-3	
Trichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/08/13 20:08	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/08/13 20:08	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/08/13 20:08	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/08/13 20:08	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 20:08	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/08/13 20:08	110-57-6	
Surrogates									
Dibromofluoromethane (S)	104	%.	79-116		1		11/08/13 20:08	1868-53-7	
4-Bromofluorobenzene (S)	105	%.	80-114		1		11/08/13 20:08	460-00-4	
Toluene-d8 (S)	98	%.	81-110		1		11/08/13 20:08	2037-26-5	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

QC Batch: GCV/17333 Analysis Method: EPA 8015 Mod Pur
QC Batch Method: EPA 8015 Mod Pur Analysis Description: 8015 GRO 5035
Associated Lab Samples: 5089041001, 5089041002, 5089041003, 5089041004, 5089041005

METHOD BLANK: 1007285 Matrix: Solid
Associated Lab Samples: 5089041001, 5089041002, 5089041003, 5089041004, 5089041005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C12)	mg/kg	ND	1.0	11/04/13 23:15	
4-Bromofluorobenzene (S)	%.	89	38-163	11/04/13 23:15	

LABORATORY CONTROL SAMPLE: 1007286

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C12)	mg/kg	10	9.3	93	75-139	
4-Bromofluorobenzene (S)	%.			101	38-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1007287 1007288

Parameter	Units	5089246008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C06-C12)	mg/kg	ND	11.1	11.1	8.4	7.8	75	70	10-151	7	20	
4-Bromofluorobenzene (S)	%.						105	106	38-163		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

QC Batch: MERP/5003 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 5089041001, 5089041002, 5089041003, 5089041004, 5089041005

METHOD BLANK: 1004887 Matrix: Solid
Associated Lab Samples: 5089041001, 5089041002, 5089041003, 5089041004, 5089041005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.20	11/01/13 11:17	

LABORATORY CONTROL SAMPLE: 1004888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.51	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1004889 1004890

Parameter	Units	30106107001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	.57	.61	0.64	0.68	103	106	75-125	6	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

QC Batch: MPRP/12354 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5089041001, 5089041002, 5089041003, 5089041004, 5089041005

METHOD BLANK: 1004867 Matrix: Solid
Associated Lab Samples: 5089041001, 5089041002, 5089041003, 5089041004, 5089041005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	50.0	10/31/13 08:48	
Antimony	mg/kg	ND	2.0	10/31/13 08:48	
Arsenic	mg/kg	ND	2.0	10/31/13 08:48	
Barium	mg/kg	ND	2.0	10/31/13 08:48	
Beryllium	mg/kg	ND	0.50	10/31/13 08:48	
Cadmium	mg/kg	ND	2.0	10/31/13 08:48	
Chromium	mg/kg	ND	2.0	10/31/13 08:48	
Cobalt	mg/kg	ND	2.0	10/31/13 08:48	
Copper	mg/kg	ND	2.0	10/31/13 08:48	
Lead	mg/kg	ND	2.0	10/31/13 08:48	
Nickel	mg/kg	ND	2.0	10/31/13 08:48	
Selenium	mg/kg	ND	2.0	10/31/13 08:48	
Silver	mg/kg	ND	2.0	10/31/13 08:48	
Thallium	mg/kg	ND	2.0	10/31/13 08:48	
Vanadium	mg/kg	ND	2.0	10/31/13 08:48	
Zinc	mg/kg	ND	2.0	10/31/13 08:48	

LABORATORY CONTROL SAMPLE: 1004868

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	520	104	80-120	
Antimony	mg/kg	50	51.0	102	80-120	
Arsenic	mg/kg	50	52.7	105	80-120	
Barium	mg/kg	50	51.5	103	80-120	
Beryllium	mg/kg	50	49.8	100	80-120	
Cadmium	mg/kg	50	50.2	100	80-120	
Chromium	mg/kg	50	51.6	103	80-120	
Cobalt	mg/kg	50	51.0	102	80-120	
Copper	mg/kg	50	50.8	102	80-120	
Lead	mg/kg	50	50.6	101	80-120	
Nickel	mg/kg	50	52.2	104	80-120	
Selenium	mg/kg	50	50.8	102	80-120	
Silver	mg/kg	25	26.9	108	80-120	
Thallium	mg/kg	50	50.6	101	80-120	
Vanadium	mg/kg	50	52.4	105	80-120	
Zinc	mg/kg	50	52.2	104	80-120	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1004869 1004870

Parameter	Units	30106107001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/kg	12800	517	559	15400	16700	502	688	75-125	8	20	P6
Antimony	mg/kg	ND	51.7	55.9	11.8	12.6	23	22	75-125	7	20	M3
Arsenic	mg/kg	9.8	51.7	55.9	60.3	62.6	98	94	75-125	4	20	
Barium	mg/kg	190	51.7	55.9	154	185	-69	-8	75-125	18	20	M3
Beryllium	mg/kg	1.5	51.7	55.9	44.4	46.4	83	80	75-125	4	20	
Cadmium	mg/kg	ND	51.7	55.9	47.2	48.8	91	87	75-125	3	20	
Chromium	mg/kg	12.6	51.7	55.9	60.9	63.0	94	90	75-125	3	20	
Cobalt	mg/kg	7.4	51.7	55.9	48.9	50.9	80	78	75-125	4	20	
Copper	mg/kg	21.2	51.7	55.9	67.2	69.2	89	86	75-125	3	20	
Lead	mg/kg	14.5	51.7	55.9	64.8	64.1	97	89	75-125	1	20	
Nickel	mg/kg	17.7	51.7	55.9	59.8	62.6	82	80	75-125	5	20	
Selenium	mg/kg	ND	51.7	55.9	45.8	47.2	89	84	75-125	3	20	
Silver	mg/kg	ND	25.9	28	24.8	25.8	96	92	75-125	4	20	
Thallium	mg/kg	ND	51.7	55.9	37.2	39.1	72	70	75-125	5	20	M3
Vanadium	mg/kg	16.8	51.7	55.9	68.1	73.1	99	101	75-125	7	20	
Zinc	mg/kg	39.5	51.7	55.9	87.8	86.6	94	84	75-125	1	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

QC Batch: MSV/59143
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 5089041006

METHOD BLANK: 1010052
Matrix: Water
Associated Lab Samples: 5089041006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/08/13 15:43	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/08/13 15:43	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/08/13 15:43	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/08/13 15:43	
1,1-Dichloroethane	ug/L	ND	5.0	11/08/13 15:43	
1,1-Dichloroethene	ug/L	ND	5.0	11/08/13 15:43	
1,1-Dichloropropene	ug/L	ND	5.0	11/08/13 15:43	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/08/13 15:43	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/08/13 15:43	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/08/13 15:43	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/08/13 15:43	
1,2-Dichloroethane	ug/L	ND	5.0	11/08/13 15:43	
1,2-Dichloropropane	ug/L	ND	5.0	11/08/13 15:43	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/08/13 15:43	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/08/13 15:43	
1,3-Dichloropropane	ug/L	ND	5.0	11/08/13 15:43	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/08/13 15:43	
2,2-Dichloropropane	ug/L	ND	5.0	11/08/13 15:43	
2-Butanone (MEK)	ug/L	ND	25.0	11/08/13 15:43	
2-Chlorotoluene	ug/L	ND	5.0	11/08/13 15:43	
2-Hexanone	ug/L	ND	25.0	11/08/13 15:43	
4-Chlorotoluene	ug/L	ND	5.0	11/08/13 15:43	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/08/13 15:43	
Acetone	ug/L	ND	100	11/08/13 15:43	
Acrolein	ug/L	ND	50.0	11/08/13 15:43	
Benzene	ug/L	ND	5.0	11/08/13 15:43	
Bromobenzene	ug/L	ND	5.0	11/08/13 15:43	
Bromochloromethane	ug/L	ND	5.0	11/08/13 15:43	
Bromodichloromethane	ug/L	ND	5.0	11/08/13 15:43	
Bromoform	ug/L	ND	5.0	11/08/13 15:43	
Bromomethane	ug/L	ND	5.0	11/08/13 15:43	
Carbon disulfide	ug/L	ND	10.0	11/08/13 15:43	
Carbon tetrachloride	ug/L	ND	5.0	11/08/13 15:43	
Chlorobenzene	ug/L	ND	5.0	11/08/13 15:43	
Chloroethane	ug/L	ND	5.0	11/08/13 15:43	
Chloroform	ug/L	ND	5.0	11/08/13 15:43	
Chloromethane	ug/L	ND	5.0	11/08/13 15:43	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/08/13 15:43	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/08/13 15:43	
Dibromochloromethane	ug/L	ND	5.0	11/08/13 15:43	
Dibromomethane	ug/L	ND	5.0	11/08/13 15:43	
Dichlorodifluoromethane	ug/L	ND	5.0	11/08/13 15:43	
Ethyl methacrylate	ug/L	ND	100	11/08/13 15:43	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

METHOD BLANK: 1010052 Matrix: Water

Associated Lab Samples: 5089041006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	5.0	11/08/13 15:43	
Iodomethane	ug/L	ND	10.0	11/08/13 15:43	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/08/13 15:43	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/08/13 15:43	
Methylene Chloride	ug/L	ND	5.0	11/08/13 15:43	
n-Butylbenzene	ug/L	ND	5.0	11/08/13 15:43	
n-Hexane	ug/L	ND	5.0	11/08/13 15:43	N2
n-Propylbenzene	ug/L	ND	5.0	11/08/13 15:43	
p-Isopropyltoluene	ug/L	ND	5.0	11/08/13 15:43	
sec-Butylbenzene	ug/L	ND	5.0	11/08/13 15:43	
Styrene	ug/L	ND	5.0	11/08/13 15:43	
tert-Butylbenzene	ug/L	ND	5.0	11/08/13 15:43	
Tetrachloroethene	ug/L	ND	5.0	11/08/13 15:43	
Toluene	ug/L	ND	5.0	11/08/13 15:43	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/08/13 15:43	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/08/13 15:43	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/08/13 15:43	
Trichloroethene	ug/L	ND	5.0	11/08/13 15:43	
Trichlorofluoromethane	ug/L	ND	5.0	11/08/13 15:43	
Vinyl acetate	ug/L	ND	50.0	11/08/13 15:43	
Vinyl chloride	ug/L	ND	2.0	11/08/13 15:43	
Xylene (Total)	ug/L	ND	10.0	11/08/13 15:43	
4-Bromofluorobenzene (S)	%.	103	80-114	11/08/13 15:43	
Dibromofluoromethane (S)	%.	101	79-116	11/08/13 15:43	
Toluene-d8 (S)	%.	97	81-110	11/08/13 15:43	

LABORATORY CONTROL SAMPLE: 1010053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.3	101	61-135	
1,1,1-Trichloroethane	ug/L	50	47.5	95	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	47.4	95	66-126	
1,1,2-Trichloroethane	ug/L	50	55.2	110	77-130	
1,1-Dichloroethane	ug/L	50	43.1	86	75-130	
1,1-Dichloroethene	ug/L	50	38.7	77	68-127	
1,1-Dichloropropene	ug/L	50	53.5	107	78-130	
1,2,3-Trichlorobenzene	ug/L	50	46.0	92	70-130	
1,2,4-Trichlorobenzene	ug/L	50	49.5	99	68-131	
1,2,4-Trimethylbenzene	ug/L	50	50.9	102	69-127	
1,2-Dichlorobenzene	ug/L	50	49.4	99	75-123	
1,2-Dichloroethane	ug/L	50	48.8	98	75-128	
1,2-Dichloropropane	ug/L	50	54.7	109	74-121	
1,3,5-Trimethylbenzene	ug/L	50	51.6	103	70-126	
1,3-Dichlorobenzene	ug/L	50	48.8	98	74-122	
1,3-Dichloropropane	ug/L	50	55.2	110	74-123	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

LABORATORY CONTROL SAMPLE: 1010053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	48.3	97	76-120	
2,2-Dichloropropane	ug/L	50	45.9	92	50-137	
2-Butanone (MEK)	ug/L	250	241	97	58-139	
2-Chlorotoluene	ug/L	50	49.8	100	74-122	
2-Hexanone	ug/L	250	267	107	54-140	
4-Chlorotoluene	ug/L	50	52.3	105	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	282	113	58-138	
Acetone	ug/L	250	269	108	49-150	
Acrolein	ug/L	1000	1270	127	41-200	
Benzene	ug/L	50	47.0	94	74-122	
Bromobenzene	ug/L	50	48.2	96	72-127	
Bromochloromethane	ug/L	50	42.2	84	63-132	
Bromodichloromethane	ug/L	50	52.1	104	62-136	
Bromoform	ug/L	50	43.1	86	44-134	
Bromomethane	ug/L	50	48.0	96	22-181	
Carbon disulfide	ug/L	100	79.4	79	59-132	
Carbon tetrachloride	ug/L	50	44.2	88	56-137	
Chlorobenzene	ug/L	50	50.2	100	78-123	
Chloroethane	ug/L	50	49.8	100	60-144	
Chloroform	ug/L	50	45.1	90	78-126	
Chloromethane	ug/L	50	37.6	75	42-134	
cis-1,2-Dichloroethene	ug/L	50	44.5	89	75-122	
cis-1,3-Dichloropropene	ug/L	50	48.8	98	64-126	
Dibromochloromethane	ug/L	50	46.9	94	58-128	
Dibromomethane	ug/L	50	47.9	96	73-125	
Dichlorodifluoromethane	ug/L	50	29.6	59	35-181	
Ethyl methacrylate	ug/L	200	224	112	69-133	
Ethylbenzene	ug/L	50	50.5	101	66-133	
Iodomethane	ug/L	100	91.6	92	21-170	
Isopropylbenzene (Cumene)	ug/L	50	52.7	105	69-124	
Methyl-tert-butyl ether	ug/L	100	92.8	93	69-122	
Methylene Chloride	ug/L	50	48.6	97	68-132	
n-Butylbenzene	ug/L	50	50.2	100	70-126	
n-Hexane	ug/L	50	46.8	94	51-125	N2
n-Propylbenzene	ug/L	50	51.5	103	71-122	
p-Isopropyltoluene	ug/L	50	51.7	103	72-132	
sec-Butylbenzene	ug/L	50	51.4	103	70-128	
Styrene	ug/L	50	51.6	103	74-126	
tert-Butylbenzene	ug/L	50	41.4	83	51-118	
Tetrachloroethene	ug/L	50	52.4	105	69-130	
Toluene	ug/L	50	49.2	98	72-122	
trans-1,2-Dichloroethene	ug/L	50	41.7	83	72-124	
trans-1,3-Dichloropropene	ug/L	50	50.3	101	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	250	125	56-133	
Trichloroethene	ug/L	50	49.9	100	76-126	
Trichlorofluoromethane	ug/L	50	49.7	99	76-149	
Vinyl acetate	ug/L	200	221	111	45-151	
Vinyl chloride	ug/L	50	45.6	91	59-126	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

LABORATORY CONTROL SAMPLE: 1010053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	155	103	70-124	
4-Bromofluorobenzene (S)	%.			101	80-114	
Dibromofluoromethane (S)	%.			91	79-116	
Toluene-d8 (S)	%.			104	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010054 1010055

Parameter	Units	5089190004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	56.2	55.7	112	111	50-132	1	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	54.2	53.9	108	108	60-138	1	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	54.6	55.1	109	110	55-128	1	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	61.3	60.7	123	121	61-139	1	20	
1,1-Dichloroethane	ug/L	ND	50	50	49.1	50.4	98	101	57-147	2	20	
1,1-Dichloroethene	ug/L	ND	50	50	42.5	41.7	85	83	55-145	2	20	
1,1-Dichloropropene	ug/L	ND	50	50	57.7	58.1	115	116	55-147	1	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	45.5	48.3	91	97	31-141	6	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	45.2	49.6	90	99	25-143	9	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	50.8	52.6	102	105	18-149	3	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	51.2	52.5	102	105	38-136	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	56.0	54.5	112	109	62-138	3	20	
1,2-Dichloropropane	ug/L	ND	50	50	61.3	61.5	123	123	59-130	0	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	51.1	52.4	102	105	20-147	3	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	50.1	52.1	100	104	28-141	4	20	
1,3-Dichloropropane	ug/L	ND	50	50	61.3	61.3	123	123	62-127	0	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	48.7	50.2	97	100	30-139	3	20	
2,2-Dichloropropane	ug/L	ND	50	50	50.5	50.2	101	100	37-139	1	20	
2-Butanone (MEK)	ug/L	ND	250	250	298	286	119	114	37-156	4	20	
2-Chlorotoluene	ug/L	ND	50	50	53.6	55.1	107	110	27-142	3	20	
2-Hexanone	ug/L	ND	250	250	313	311	125	124	44-143	1	20	
4-Chlorotoluene	ug/L	ND	50	50	53.8	54.0	108	108	27-144	0	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	336	310	135	124	46-144	8	20	
Acetone	ug/L	ND	250	250	289	275	116	110	39-156	5	20	
Acrolein	ug/L	ND	1000	1000	1440	1420	144	142	33-200	1	20	
Benzene	ug/L	ND	50	50	51.9	51.3	104	103	62-129	1	20	
Bromobenzene	ug/L	ND	50	50	50.9	50.9	102	102	39-140	0	20	
Bromochloromethane	ug/L	ND	50	50	53.0	52.3	106	105	49-142	1	20	
Bromodichloromethane	ug/L	ND	50	50	56.3	57.2	113	114	50-142	2	20	
Bromoform	ug/L	ND	50	50	48.3	48.7	97	97	36-125	1	20	
Bromomethane	ug/L	ND	50	50	50.0	48.4	100	97	13-179	3	20	
Carbon disulfide	ug/L	ND	100	100	85.2	86.9	85	87	45-142	2	20	
Carbon tetrachloride	ug/L	ND	50	50	48.3	48.6	97	97	46-142	1	20	
Chlorobenzene	ug/L	ND	50	50	52.5	53.2	105	106	49-136	1	20	
Chloroethane	ug/L	ND	50	50	50.4	51.5	101	103	47-160	2	20	
Chloroform	ug/L	ND	50	50	53.3	51.8	107	104	54-150	3	20	
Chloromethane	ug/L	ND	50	50	35.9	37.2	72	74	30-148	4	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	52.4	51.3	105	103	60-135	2	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010054 1010055

Parameter	Units	5089190004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	ug/L	ND	50	50	51.3	50.8	103	102	52-123	1	20	
Dibromochloromethane	ug/L	ND	50	50	52.1	50.9	104	102	48-125	2	20	
Dibromomethane	ug/L	ND	50	50	55.0	52.6	110	105	59-134	5	20	
Dichlorodifluoromethane	ug/L	ND	50	50	29.1	30.4	58	61	24-197	4	20	
Ethyl methacrylate	ug/L	ND	200	200	254	255	127	127	55-139	0	20	
Ethylbenzene	ug/L	ND	50	50	53.2	53.6	106	107	28-153	1	20	
Iodomethane	ug/L	ND	100	100	89.7	94.0	90	94	17-157	5	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	54.5	56.2	109	112	18-152	3	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	107	111	107	111	63-130	3	20	
Methylene Chloride	ug/L	ND	50	50	42.7	44.4	85	89	45-156	4	20	
n-Butylbenzene	ug/L	ND	50	50	49.4	51.0	99	102	10-161	3	20	
n-Hexane	ug/L	ND	50	50	51.7	55.3	103	111	33-144	7	20	N2
n-Propylbenzene	ug/L	ND	50	50	53.1	55.0	106	110	16-150	4	20	
p-Isopropyltoluene	ug/L	ND	50	50	51.8	53.1	104	106	10-163	2	20	
sec-Butylbenzene	ug/L	ND	50	50	52.7	54.6	105	109	10-160	4	20	
Styrene	ug/L	ND	50	50	51.0	50.8	102	102	36-139	0	20	
tert-Butylbenzene	ug/L	ND	50	50	44.0	44.8	88	90	12-134	2	20	
Tetrachloroethene	ug/L	ND	50	50	54.0	53.7	108	107	33-151	1	20	
Toluene	ug/L	ND	50	50	53.3	54.2	107	108	50-132	2	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	44.3	47.8	89	96	40-153	8	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	52.2	53.5	104	107	48-122	2	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	279	272	140	136	32-139	2	20	M0
Trichloroethene	ug/L	ND	50	50	53.7	53.0	107	106	50-143	1	20	
Trichlorofluoromethane	ug/L	ND	50	50	48.9	48.1	98	96	60-175	2	20	
Vinyl acetate	ug/L	ND	200	200	227	232	113	116	17-142	2	20	
Vinyl chloride	ug/L	ND	50	50	44.6	44.4	89	89	44-145	0	20	
Xylene (Total)	ug/L	ND	150	150	163	163	109	109	29-145	0	20	
4-Bromofluorobenzene (S)	%.						100	100	80-114			
Dibromofluoromethane (S)	%.						96	94	79-116			
Toluene-d8 (S)	%.						104	104	81-110			

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

QC Batch: MSV/59114 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5089041002, 5089041003, 5089041004, 5089041005

METHOD BLANK: 1009284 Matrix: Solid
Associated Lab Samples: 5089041002, 5089041003, 5089041004, 5089041005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	11/08/13 06:59	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	11/08/13 06:59	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	11/08/13 06:59	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	11/08/13 06:59	
1,1-Dichloroethane	mg/kg	ND	0.0050	11/08/13 06:59	
1,1-Dichloroethene	mg/kg	ND	0.0050	11/08/13 06:59	
1,1-Dichloropropene	mg/kg	ND	0.0050	11/08/13 06:59	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	11/08/13 06:59	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	11/08/13 06:59	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	11/08/13 06:59	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 06:59	
1,2-Dichloroethane	mg/kg	ND	0.0050	11/08/13 06:59	
1,2-Dichloropropane	mg/kg	ND	0.0050	11/08/13 06:59	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	11/08/13 06:59	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 06:59	
1,3-Dichloropropane	mg/kg	ND	0.0050	11/08/13 06:59	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 06:59	
2,2-Dichloropropane	mg/kg	ND	0.0050	11/08/13 06:59	
2-Butanone (MEK)	mg/kg	ND	0.025	11/08/13 06:59	
2-Chlorotoluene	mg/kg	ND	0.0050	11/08/13 06:59	
2-Hexanone	mg/kg	ND	0.10	11/08/13 06:59	
4-Chlorotoluene	mg/kg	ND	0.0050	11/08/13 06:59	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	11/08/13 06:59	
Acetone	mg/kg	ND	0.10	11/08/13 06:59	
Acrolein	mg/kg	ND	0.10	11/08/13 06:59	
Benzene	mg/kg	ND	0.0050	11/08/13 06:59	
Bromobenzene	mg/kg	ND	0.0050	11/08/13 06:59	
Bromochloromethane	mg/kg	ND	0.0050	11/08/13 06:59	
Bromodichloromethane	mg/kg	ND	0.0050	11/08/13 06:59	
Bromoform	mg/kg	ND	0.0050	11/08/13 06:59	
Bromomethane	mg/kg	ND	0.0050	11/08/13 06:59	
Carbon disulfide	mg/kg	ND	0.010	11/08/13 06:59	
Carbon tetrachloride	mg/kg	ND	0.0050	11/08/13 06:59	
Chlorobenzene	mg/kg	ND	0.0050	11/08/13 06:59	
Chloroethane	mg/kg	ND	0.0050	11/08/13 06:59	
Chloroform	mg/kg	ND	0.0050	11/08/13 06:59	
Chloromethane	mg/kg	ND	0.0050	11/08/13 06:59	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	11/08/13 06:59	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	11/08/13 06:59	
Dibromochloromethane	mg/kg	ND	0.0050	11/08/13 06:59	
Dibromomethane	mg/kg	ND	0.0050	11/08/13 06:59	
Dichlorodifluoromethane	mg/kg	ND	0.0050	11/08/13 06:59	
Ethyl methacrylate	mg/kg	ND	0.10	11/08/13 06:59	

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Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

METHOD BLANK: 1009284 Matrix: Solid

Associated Lab Samples: 5089041002, 5089041003, 5089041004, 5089041005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/kg	ND	0.0050	11/08/13 06:59	
Iodomethane	mg/kg	ND	0.10	11/08/13 06:59	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	11/08/13 06:59	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	11/08/13 06:59	
Methylene Chloride	mg/kg	ND	0.020	11/08/13 06:59	
n-Butylbenzene	mg/kg	ND	0.0050	11/08/13 06:59	
n-Hexane	mg/kg	ND	0.0050	11/08/13 06:59	N2
n-Propylbenzene	mg/kg	ND	0.0050	11/08/13 06:59	
p-Isopropyltoluene	mg/kg	ND	0.0050	11/08/13 06:59	
sec-Butylbenzene	mg/kg	ND	0.0050	11/08/13 06:59	
Styrene	mg/kg	ND	0.0050	11/08/13 06:59	
tert-Butylbenzene	mg/kg	ND	0.0050	11/08/13 06:59	
Tetrachloroethene	mg/kg	ND	0.0050	11/08/13 06:59	
Toluene	mg/kg	ND	0.0050	11/08/13 06:59	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	11/08/13 06:59	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	11/08/13 06:59	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	11/08/13 06:59	
Trichloroethene	mg/kg	ND	0.0050	11/08/13 06:59	
Trichlorofluoromethane	mg/kg	ND	0.0050	11/08/13 06:59	
Vinyl acetate	mg/kg	ND	0.10	11/08/13 06:59	
Vinyl chloride	mg/kg	ND	0.0050	11/08/13 06:59	
Xylene (Total)	mg/kg	ND	0.010	11/08/13 06:59	
4-Bromofluorobenzene (S)	%.	104	56-144	11/08/13 06:59	
Dibromofluoromethane (S)	%.	100	85-118	11/08/13 06:59	
Toluene-d8 (S)	%.	93	71-128	11/08/13 06:59	

LABORATORY CONTROL SAMPLE: 1009285

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.05	0.051	102	62-123	
1,1,1-Trichloroethane	mg/kg	.05	0.046	93	70-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.050	100	65-124	
1,1,2-Trichloroethane	mg/kg	.05	0.058	115	74-129	
1,1-Dichloroethane	mg/kg	.05	0.049	98	73-130	
1,1-Dichloroethene	mg/kg	.05	0.045	89	66-126	
1,1-Dichloropropene	mg/kg	.05	0.052	103	78-125	
1,2,3-Trichlorobenzene	mg/kg	.05	0.045	91	66-131	
1,2,4-Trichlorobenzene	mg/kg	.05	0.048	97	68-129	
1,2,4-Trimethylbenzene	mg/kg	.05	0.041	82	67-126	
1,2-Dichlorobenzene	mg/kg	.05	0.043	86	73-122	
1,2-Dichloroethane	mg/kg	.05	0.047	94	73-127	
1,2-Dichloropropane	mg/kg	.05	0.053	106	75-118	
1,3,5-Trimethylbenzene	mg/kg	.05	0.042	83	65-127	
1,3-Dichlorobenzene	mg/kg	.05	0.045	89	73-121	
1,3-Dichloropropane	mg/kg	.05	0.067	134	72-121	L3

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

LABORATORY CONTROL SAMPLE: 1009285

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/kg	.05	0.047	94	75-119	
2,2-Dichloropropane	mg/kg	.05	0.049	99	63-122	
2-Butanone (MEK)	mg/kg	.25	0.27	108	59-139	
2-Chlorotoluene	mg/kg	.05	0.052	103	72-121	
2-Hexanone	mg/kg	.25	0.31	122	56-139	
4-Chlorotoluene	mg/kg	.05	0.051	102	75-123	
4-Methyl-2-pentanone (MIBK)	mg/kg	.25	0.32	128	63-136	
Acetone	mg/kg	.25	0.28	113	46-156	
Acrolein	mg/kg	1	1.4	137	47-200	
Benzene	mg/kg	.05	0.048	96	74-119	
Bromobenzene	mg/kg	.05	0.052	104	69-129	
Bromochloromethane	mg/kg	.05	0.053	106	67-129	
Bromodichloromethane	mg/kg	.05	0.054	109	68-121	
Bromoform	mg/kg	.05	0.048	96	49-124	
Bromomethane	mg/kg	.05	0.040	81	44-142	
Carbon disulfide	mg/kg	.1	0.087	87	61-129	
Carbon tetrachloride	mg/kg	.05	0.046	93	58-127	
Chlorobenzene	mg/kg	.05	0.052	105	77-122	
Chloroethane	mg/kg	.05	0.048	97	59-141	
Chloroform	mg/kg	.05	0.049	98	75-124	
Chloromethane	mg/kg	.05	0.039	79	46-133	
cis-1,2-Dichloroethene	mg/kg	.05	0.048	96	72-122	
cis-1,3-Dichloropropene	mg/kg	.05	0.052	103	68-115	
Dibromochloromethane	mg/kg	.05	0.059	118	60-121	
Dibromomethane	mg/kg	.05	0.051	103	72-124	
Dichlorodifluoromethane	mg/kg	.05	0.028	55	26-186	
Ethyl methacrylate	mg/kg	.2	0.27	135	63-130	L3
Ethylbenzene	mg/kg	.05	0.048	97	72-123	
Iodomethane	mg/kg	.1	0.090J	90	38-149	
Isopropylbenzene (Cumene)	mg/kg	.05	0.045	90	65-123	
Methyl-tert-butyl ether	mg/kg	.1	0.11	109	68-120	
Methylene Chloride	mg/kg	.05	0.055	109	57-142	
n-Butylbenzene	mg/kg	.05	0.038	75	68-125	
n-Hexane	mg/kg	.05	0.055	110	57-117	N2
n-Propylbenzene	mg/kg	.05	0.048	95	68-122	
p-Isopropyltoluene	mg/kg	.05	0.041	82	66-133	
sec-Butylbenzene	mg/kg	.05	0.039	77	64-131	
Styrene	mg/kg	.05	0.052	104	70-126	
tert-Butylbenzene	mg/kg	.05	0.032	63	46-124	
Tetrachloroethene	mg/kg	.05	0.054	109	72-126	
Toluene	mg/kg	.05	0.055	109	71-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.048	96	69-123	
trans-1,3-Dichloropropene	mg/kg	.05	0.056	112	66-114	
trans-1,4-Dichloro-2-butene	mg/kg	.2	0.24	121	61-124	
Trichloroethene	mg/kg	.05	0.051	102	74-123	
Trichlorofluoromethane	mg/kg	.05	0.049	98	72-146	
Vinyl acetate	mg/kg	.2	0.24	120	57-131	
Vinyl chloride	mg/kg	.05	0.042	84	55-128	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

LABORATORY CONTROL SAMPLE: 1009285

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	mg/kg	.15	0.15	99	66-124	
4-Bromofluorobenzene (S)	%.			97	56-144	
Dibromofluoromethane (S)	%.			93	85-118	
Toluene-d8 (S)	%.			115	71-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

QC Batch: MSV/59140
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5089041001

METHOD BLANK: 1010037
Matrix: Solid
Associated Lab Samples: 5089041001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	11/08/13 15:24	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	11/08/13 15:24	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	11/08/13 15:24	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	11/08/13 15:24	
1,1-Dichloroethane	mg/kg	ND	0.0050	11/08/13 15:24	
1,1-Dichloroethene	mg/kg	ND	0.0050	11/08/13 15:24	
1,1-Dichloropropene	mg/kg	ND	0.0050	11/08/13 15:24	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	11/08/13 15:24	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	11/08/13 15:24	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	11/08/13 15:24	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 15:24	
1,2-Dichloroethane	mg/kg	ND	0.0050	11/08/13 15:24	
1,2-Dichloropropane	mg/kg	ND	0.0050	11/08/13 15:24	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	11/08/13 15:24	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 15:24	
1,3-Dichloropropane	mg/kg	ND	0.0050	11/08/13 15:24	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 15:24	
2,2-Dichloropropane	mg/kg	ND	0.0050	11/08/13 15:24	
2-Butanone (MEK)	mg/kg	ND	0.025	11/08/13 15:24	
2-Chlorotoluene	mg/kg	ND	0.0050	11/08/13 15:24	
2-Hexanone	mg/kg	ND	0.10	11/08/13 15:24	
4-Chlorotoluene	mg/kg	ND	0.0050	11/08/13 15:24	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	11/08/13 15:24	
Acetone	mg/kg	ND	0.10	11/08/13 15:24	
Acrolein	mg/kg	ND	0.10	11/08/13 15:24	
Benzene	mg/kg	ND	0.0050	11/08/13 15:24	
Bromobenzene	mg/kg	ND	0.0050	11/08/13 15:24	
Bromochloromethane	mg/kg	ND	0.0050	11/08/13 15:24	
Bromodichloromethane	mg/kg	ND	0.0050	11/08/13 15:24	
Bromoform	mg/kg	ND	0.0050	11/08/13 15:24	
Bromomethane	mg/kg	ND	0.0050	11/08/13 15:24	
Carbon disulfide	mg/kg	ND	0.010	11/08/13 15:24	
Carbon tetrachloride	mg/kg	ND	0.0050	11/08/13 15:24	
Chlorobenzene	mg/kg	ND	0.0050	11/08/13 15:24	
Chloroethane	mg/kg	ND	0.0050	11/08/13 15:24	
Chloroform	mg/kg	ND	0.0050	11/08/13 15:24	
Chloromethane	mg/kg	ND	0.0050	11/08/13 15:24	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	11/08/13 15:24	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	11/08/13 15:24	
Dibromochloromethane	mg/kg	ND	0.0050	11/08/13 15:24	
Dibromomethane	mg/kg	ND	0.0050	11/08/13 15:24	
Dichlorodifluoromethane	mg/kg	ND	0.0050	11/08/13 15:24	
Ethyl methacrylate	mg/kg	ND	0.10	11/08/13 15:24	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

METHOD BLANK: 1010037 Matrix: Solid

Associated Lab Samples: 5089041001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/kg	ND	0.0050	11/08/13 15:24	
Iodomethane	mg/kg	ND	0.10	11/08/13 15:24	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	11/08/13 15:24	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	11/08/13 15:24	
Methylene Chloride	mg/kg	0.012J	0.020	11/08/13 15:24	
n-Butylbenzene	mg/kg	ND	0.0050	11/08/13 15:24	
n-Hexane	mg/kg	ND	0.0050	11/08/13 15:24	N2
n-Propylbenzene	mg/kg	ND	0.0050	11/08/13 15:24	
p-Isopropyltoluene	mg/kg	ND	0.0050	11/08/13 15:24	
sec-Butylbenzene	mg/kg	ND	0.0050	11/08/13 15:24	
Styrene	mg/kg	ND	0.0050	11/08/13 15:24	
tert-Butylbenzene	mg/kg	ND	0.0050	11/08/13 15:24	
Tetrachloroethene	mg/kg	ND	0.0050	11/08/13 15:24	
Toluene	mg/kg	ND	0.0050	11/08/13 15:24	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	11/08/13 15:24	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	11/08/13 15:24	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	11/08/13 15:24	
Trichloroethene	mg/kg	ND	0.0050	11/08/13 15:24	
Trichlorofluoromethane	mg/kg	ND	0.0050	11/08/13 15:24	
Vinyl acetate	mg/kg	ND	0.10	11/08/13 15:24	
Vinyl chloride	mg/kg	ND	0.0050	11/08/13 15:24	
Xylene (Total)	mg/kg	ND	0.010	11/08/13 15:24	
4-Bromofluorobenzene (S)	%.	109	56-144	11/08/13 15:24	
Dibromofluoromethane (S)	%.	108	85-118	11/08/13 15:24	
Toluene-d8 (S)	%.	99	71-128	11/08/13 15:24	

LABORATORY CONTROL SAMPLE: 1010038

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.05	0.053	105	62-123	
1,1,1-Trichloroethane	mg/kg	.05	0.049	99	70-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.051	101	65-124	
1,1,2-Trichloroethane	mg/kg	.05	0.055	109	74-129	
1,1-Dichloroethane	mg/kg	.05	0.047	95	73-130	
1,1-Dichloroethene	mg/kg	.05	0.043	86	66-126	
1,1-Dichloropropene	mg/kg	.05	0.053	105	78-125	
1,2,3-Trichlorobenzene	mg/kg	.05	0.056	112	66-131	
1,2,4-Trichlorobenzene	mg/kg	.05	0.061	123	68-129	
1,2,4-Trimethylbenzene	mg/kg	.05	0.045	90	67-126	
1,2-Dichlorobenzene	mg/kg	.05	0.046	92	73-122	
1,2-Dichloroethane	mg/kg	.05	0.049	98	73-127	
1,2-Dichloropropane	mg/kg	.05	0.055	111	75-118	
1,3,5-Trimethylbenzene	mg/kg	.05	0.045	90	65-127	
1,3-Dichlorobenzene	mg/kg	.05	0.050	99	73-121	
1,3-Dichloropropane	mg/kg	.05	0.062	125	72-121	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

LABORATORY CONTROL SAMPLE: 1010038

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/kg	.05	0.051	103	75-119	
2,2-Dichloropropane	mg/kg	.05	0.055	110	63-122	
2-Butanone (MEK)	mg/kg	.25	0.27	110	59-139	
2-Chlorotoluene	mg/kg	.05	0.054	109	72-121	
2-Hexanone	mg/kg	.25	0.28	112	56-139	
4-Chlorotoluene	mg/kg	.05	0.056	111	75-123	
4-Methyl-2-pentanone (MIBK)	mg/kg	.25	0.28	113	63-136	
Acetone	mg/kg	.25	0.32	128	46-156	
Acrolein	mg/kg	1	1.3	130	47-200	
Benzene	mg/kg	.05	0.048	97	74-119	
Bromobenzene	mg/kg	.05	0.053	107	69-129	
Bromochloromethane	mg/kg	.05	0.054	107	67-129	
Bromodichloromethane	mg/kg	.05	0.057	113	68-121	
Bromoform	mg/kg	.05	0.049	97	49-124	
Bromomethane	mg/kg	.05	0.042	84	44-142	
Carbon disulfide	mg/kg	.1	0.086	86	61-129	
Carbon tetrachloride	mg/kg	.05	0.050	99	58-127	
Chlorobenzene	mg/kg	.05	0.053	107	77-122	
Chloroethane	mg/kg	.05	0.046	93	59-141	
Chloroform	mg/kg	.05	0.049	98	75-124	
Chloromethane	mg/kg	.05	0.039	77	46-133	
cis-1,2-Dichloroethene	mg/kg	.05	0.047	94	72-122	
cis-1,3-Dichloropropene	mg/kg	.05	0.051	102	68-115	
Dibromochloromethane	mg/kg	.05	0.057	114	60-121	
Dibromomethane	mg/kg	.05	0.052	104	72-124	
Dichlorodifluoromethane	mg/kg	.05	0.027	53	26-186	
Ethyl methacrylate	mg/kg	.2	0.24	122	63-130	
Ethylbenzene	mg/kg	.05	0.049	98	72-123	
Iodomethane	mg/kg	.1	0.085J	85	38-149	
Isopropylbenzene (Cumene)	mg/kg	.05	0.046	93	65-123	
Methyl-tert-butyl ether	mg/kg	.1	0.10	105	68-120	
Methylene Chloride	mg/kg	.05	0.060	121	57-142	
n-Butylbenzene	mg/kg	.05	0.045	90	68-125	
n-Hexane	mg/kg	.05	0.050	100	57-117	N2
n-Propylbenzene	mg/kg	.05	0.051	102	68-122	
p-Isopropyltoluene	mg/kg	.05	0.046	91	66-133	
sec-Butylbenzene	mg/kg	.05	0.045	89	64-131	
Styrene	mg/kg	.05	0.052	104	70-126	
tert-Butylbenzene	mg/kg	.05	0.036	72	46-124	
Tetrachloroethene	mg/kg	.05	0.052	103	72-126	
Toluene	mg/kg	.05	0.051	103	71-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.048	95	69-123	
trans-1,3-Dichloropropene	mg/kg	.05	0.054	108	66-114	
trans-1,4-Dichloro-2-butene	mg/kg	.2	0.25	125	61-124	L3
Trichloroethene	mg/kg	.05	0.051	103	74-123	
Trichlorofluoromethane	mg/kg	.05	0.050	100	72-146	
Vinyl acetate	mg/kg	.2	0.22	109	57-131	
Vinyl chloride	mg/kg	.05	0.040	80	55-128	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

LABORATORY CONTROL SAMPLE: 1010038

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	mg/kg	.15	0.15	100	66-124	
4-Bromofluorobenzene (S)	%.			95	56-144	
Dibromofluoromethane (S)	%.			92	85-118	
Toluene-d8 (S)	%.			105	71-128	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

QC Batch: OEXT/34239 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 3546 Analysis Description: EPA 8015 TPH Ohio
Associated Lab Samples: 5089041001, 5089041002, 5089041003, 5089041004, 5089041005

METHOD BLANK: 1004686 Matrix: Solid
Associated Lab Samples: 5089041001, 5089041002, 5089041003, 5089041004, 5089041005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	ND	20.0	10/31/13 11:44	
TPH (C10-C20)	mg/kg	ND	10.0	10/31/13 11:44	
TPH (C20-C34)	mg/kg	ND	10.0	10/31/13 11:44	
n-Pentacosane (S)	%.	83	30-153	10/31/13 11:44	

LABORATORY CONTROL SAMPLE: 1004687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	83.3	57.6	69	43-88	
n-Pentacosane (S)	%.			83	30-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1004688 1004689

Parameter	Units	5089046002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/kg	34.4	91.5	91.8	96.0	194	67	174	10-136	68	20	M0,R1
n-Pentacosane (S)	%.						159	186	30-153		20	2d

REPORT OF LABORATORY ANALYSIS

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(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

QC Batch: OEXT/34241 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 5089041001, 5089041002, 5089041003, 5089041004, 5089041005

METHOD BLANK: 1004692 Matrix: Solid
Associated Lab Samples: 5089041001, 5089041002, 5089041003, 5089041004, 5089041005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	100	11/01/13 14:02	
PCB-1221 (Aroclor 1221)	ug/kg	ND	100	11/01/13 14:02	
PCB-1232 (Aroclor 1232)	ug/kg	ND	100	11/01/13 14:02	
PCB-1242 (Aroclor 1242)	ug/kg	ND	100	11/01/13 14:02	
PCB-1248 (Aroclor 1248)	ug/kg	ND	100	11/01/13 14:02	
PCB-1254 (Aroclor 1254)	ug/kg	ND	100	11/01/13 14:02	
PCB-1260 (Aroclor 1260)	ug/kg	ND	100	11/01/13 14:02	
Tetrachloro-m-xylene (S)	%.	67	30-106	11/01/13 14:02	

LABORATORY CONTROL SAMPLE: 1004693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	138	83	42-100	
PCB-1260 (Aroclor 1260)	ug/kg	167	138	83	40-106	
Tetrachloro-m-xylene (S)	%.			79	30-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1004694 1004695

Parameter	Units	5088949001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	189	191	ND	ND	114	118	10-145	5	20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	189	191	ND	ND	90	96	16-132		20	
Tetrachloro-m-xylene (S)	%.						59	56	30-106		20	D3

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

QC Batch: OEXT/34236 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
Associated Lab Samples: 5089041001, 5089041002, 5089041003, 5089041004, 5089041005

METHOD BLANK: 1004618 Matrix: Solid
Associated Lab Samples: 5089041001, 5089041002, 5089041003, 5089041004, 5089041005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/kg	ND	330	11/01/13 08:45	
2,4,6-Trichlorophenol	ug/kg	ND	330	11/01/13 08:45	
2,4-Dichlorophenol	ug/kg	ND	330	11/01/13 08:45	
2,4-Dimethylphenol	ug/kg	ND	330	11/01/13 08:45	
2,4-Dinitrophenol	ug/kg	ND	1600	11/01/13 08:45	
2,4-Dinitrotoluene	ug/kg	ND	330	11/01/13 08:45	
2,6-Dinitrotoluene	ug/kg	ND	330	11/01/13 08:45	
2-Chloronaphthalene	ug/kg	ND	330	11/01/13 08:45	
2-Chlorophenol	ug/kg	ND	330	11/01/13 08:45	
2-Methylnaphthalene	ug/kg	ND	330	11/01/13 08:45	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	11/01/13 08:45	
2-Nitroaniline	ug/kg	ND	1600	11/01/13 08:45	
2-Nitrophenol	ug/kg	ND	330	11/01/13 08:45	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	660	11/01/13 08:45	
3-Nitroaniline	ug/kg	ND	1600	11/01/13 08:45	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1600	11/01/13 08:45	
4-Bromophenylphenyl ether	ug/kg	ND	330	11/01/13 08:45	
4-Chloro-3-methylphenol	ug/kg	ND	660	11/01/13 08:45	
4-Chloroaniline	ug/kg	ND	660	11/01/13 08:45	
4-Chlorophenylphenyl ether	ug/kg	ND	330	11/01/13 08:45	
4-Nitroaniline	ug/kg	ND	1600	11/01/13 08:45	
4-Nitrophenol	ug/kg	ND	1600	11/01/13 08:45	
Acenaphthene	ug/kg	ND	330	11/01/13 08:45	
Acenaphthylene	ug/kg	ND	330	11/01/13 08:45	
Anthracene	ug/kg	ND	330	11/01/13 08:45	
Benzo(a)anthracene	ug/kg	ND	330	11/01/13 08:45	
Benzo(a)pyrene	ug/kg	ND	170	11/01/13 08:45	
Benzo(b)fluoranthene	ug/kg	ND	330	11/01/13 08:45	
Benzo(g,h,i)perylene	ug/kg	ND	330	11/01/13 08:45	
Benzo(k)fluoranthene	ug/kg	ND	330	11/01/13 08:45	
Benzyl alcohol	ug/kg	ND	660	11/01/13 08:45	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	11/01/13 08:45	
bis(2-Chloroethyl) ether	ug/kg	ND	330	11/01/13 08:45	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	11/01/13 08:45	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	11/01/13 08:45	
Butylbenzylphthalate	ug/kg	ND	330	11/01/13 08:45	
Chrysene	ug/kg	ND	330	11/01/13 08:45	
Di-n-butylphthalate	ug/kg	ND	330	11/01/13 08:45	
Di-n-octylphthalate	ug/kg	ND	330	11/01/13 08:45	
Dibenz(a,h)anthracene	ug/kg	ND	170	11/01/13 08:45	
Dibenzofuran	ug/kg	ND	330	11/01/13 08:45	
Diethylphthalate	ug/kg	ND	330	11/01/13 08:45	
Dimethylphthalate	ug/kg	ND	330	11/01/13 08:45	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

METHOD BLANK: 1004618 Matrix: Solid

Associated Lab Samples: 5089041001, 5089041002, 5089041003, 5089041004, 5089041005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoranthene	ug/kg	ND	330	11/01/13 08:45	
Fluorene	ug/kg	ND	330	11/01/13 08:45	
Hexachlorocyclopentadiene	ug/kg	ND	330	11/01/13 08:45	
Hexachloroethane	ug/kg	ND	330	11/01/13 08:45	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	11/01/13 08:45	
Isophorone	ug/kg	ND	330	11/01/13 08:45	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	11/01/13 08:45	
N-Nitrosodiphenylamine	ug/kg	ND	330	11/01/13 08:45	
Naphthalene	ug/kg	ND	330	11/01/13 08:45	
Nitrobenzene	ug/kg	ND	330	11/01/13 08:45	
Phenanthrene	ug/kg	ND	330	11/01/13 08:45	
Phenol	ug/kg	ND	330	11/01/13 08:45	
Pyrene	ug/kg	ND	330	11/01/13 08:45	
2,4,6-Tribromophenol (S)	%.	78	16-122	11/01/13 08:45	
2-Fluorobiphenyl (S)	%.	72	31-94	11/01/13 08:45	
2-Fluorophenol (S)	%.	76	24-104	11/01/13 08:45	
Nitrobenzene-d5 (S)	%.	66	28-101	11/01/13 08:45	
p-Terphenyl-d14 (S)	%.	92	26-110	11/01/13 08:45	
Phenol-d5 (S)	%.	67	28-101	11/01/13 08:45	

LABORATORY CONTROL SAMPLE: 1004619

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	3330	2290	69	39-103	
2-Chlorophenol	ug/kg	3330	2050	61	38-96	
2-Methylnaphthalene	ug/kg	3330	2170	65	36-94	
4-Chloro-3-methylphenol	ug/kg	3330	2040	61	38-104	
4-Nitrophenol	ug/kg	3330	1960	59	34-104	
Acenaphthene	ug/kg	3330	2350	71	43-99	
Acenaphthylene	ug/kg	3330	2420	73	42-101	
Anthracene	ug/kg	3330	2480	74	46-107	
Benzo(a)anthracene	ug/kg	3330	2670	80	45-108	
Benzo(a)pyrene	ug/kg	3330	2720	82	47-113	
Benzo(b)fluoranthene	ug/kg	3330	2530	76	41-110	
Benzo(g,h,i)perylene	ug/kg	3330	2760	83	42-112	
Benzo(k)fluoranthene	ug/kg	3330	2380	71	44-107	
Chrysene	ug/kg	3330	2570	77	43-103	
Dibenz(a,h)anthracene	ug/kg	3330	2920	88	43-110	
Fluoranthene	ug/kg	3330	2590	78	45-105	
Fluorene	ug/kg	3330	2350	71	42-103	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	2110	63	43-111	
N-Nitroso-di-n-propylamine	ug/kg	3330	1970	59	37-96	
Naphthalene	ug/kg	3330	2130	64	44-100	
Phenanthrene	ug/kg	3330	2470	74	44-104	
Phenol	ug/kg	3330	2070	62	37-101	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

LABORATORY CONTROL SAMPLE: 1004619

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	3330	2550	77	44-105	
2,4,6-Tribromophenol (S)	%.			81	16-122	
2-Fluorobiphenyl (S)	%.			71	31-94	
2-Fluorophenol (S)	%.			75	24-104	
Nitrobenzene-d5 (S)	%.			67	28-101	
p-Terphenyl-d14 (S)	%.			90	26-110	
Phenol-d5 (S)	%.			70	28-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1004620 1004621

Parameter	Units	5088909018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/kg	ND	4990	4990	3290	3160	66	63	15-102	4	20	
2-Chlorophenol	ug/kg	ND	4990	4990	3110	2970	62	59	22-96	5	20	
2-Methylnaphthalene	ug/kg	ND	4990	4990	3320	3200	65	63	14-107	4	20	
4-Chloro-3-methylphenol	ug/kg	ND	4990	4990	3260	3170	65	64	21-105	3	20	
4-Nitrophenol	ug/kg	ND	4990	4990	3270	3440	66	69	12-107	5	20	
Acenaphthene	ug/kg	ND	4990	4990	3630	3380	69	64	19-110	7	20	
Acenaphthylene	ug/kg	ND	4990	4990	3520	3250	67	62	21-106	8	20	
Anthracene	ug/kg	0.61 mg/kg	4990	4990	3920	3350	66	55	22-112	16	20	
Benzo(a)anthracene	ug/kg	1.4 mg/kg	4990	4990	4450	3510	60	41	13-116	24	20	R1
Benzo(a)pyrene	ug/kg	1.4 mg/kg	4990	4990	4160	3420	55	40	11-119	20	20	
Benzo(b)fluoranthene	ug/kg	2.0 mg/kg	4990	4990	4480	3370	50	28	10-126	28	20	R1
Benzo(g,h,i)perylene	ug/kg	0.72 mg/kg	4990	4990	3310	2730	52	40	10-114	19	20	
Benzo(k)fluoranthene	ug/kg	0.69 mg/kg	4990	4990	3370	2990	54	46	10-117	12	20	
Chrysene	ug/kg	1.6 mg/kg	4990	4990	4370	3770	55	43	14-107	15	20	
Dibenz(a,h)anthracene	ug/kg	0.26 mg/kg	4990	4990	2830	2700	51	49	10-119	5	20	
Fluoranthene	ug/kg	2.6 mg/kg	4990	4990	5720	4680	62	42	17-110	20	20	
Fluorene	ug/kg	0.25J mg/kg	4990	4990	3740	3420	70	63	17-115	9	20	
Indeno(1,2,3-cd)pyrene	ug/kg	0.77 mg/kg	4990	4990	3510	2890	55	42	11-111	19	20	
N-Nitroso-di-n-propylamine	ug/kg	ND	4990	4990	3540	3370	71	67	18-103	5	20	
Naphthalene	ug/kg	ND	4990	4990	3300	3100	62	58	16-102	6	20	
Phenanthrene	ug/kg	1.9 mg/kg	4990	4990	4860	4550	59	53	10-128	7	20	
Phenol	ug/kg	ND	4990	4990	3220	3050	64	61	22-97	5	20	
Pyrene	ug/kg	2.2 mg/kg	4990	4990	5240	4270	61	42	10-123	20	20	
2,4,6-Tribromophenol (S)	%.						72	71	16-122			
2-Fluorobiphenyl (S)	%.						65	63	31-94			

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1004620 1004621

Parameter	Units	5088909018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Fluorophenol (S)	%.						69	68	24-104			
Nitrobenzene-d5 (S)	%.						65	66	26-98			
p-Terphenyl-d14 (S)	%.						78	73	26-110			
Phenol-d5 (S)	%.						73	69	28-101			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1004622 1004623

Parameter	Units	5088909019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/kg	ND	5910	5910	ND	ND	34	44	15-102		20	
2-Chlorophenol	ug/kg	ND	5910	5910	3330J	3080J	56	52	22-96		20	
2-Methylnaphthalene	ug/kg	ND	5910	5910	3740J	3670J	61	60	14-107		20	
4-Chloro-3-methylphenol	ug/kg	ND	5910	5910	ND	ND	59	50	21-105		20	
4-Nitrophenol	ug/kg	ND	5910	5910	ND	ND	38	38	12-107		20	
Acenaphthene	ug/kg	ND	5910	5910	4430J	4990J	75	84	19-110		20	
Acenaphthylene	ug/kg	4.4 mg/kg	5910	5910	12400	16800	134	210	21-106	30	20	M0,R1
Anthracene	ug/kg	5.7 mg/kg	5910	5910	11500	18500	98	218	22-112	47	20	M0,R1
Benzo(a)anthracene	ug/kg	16.1 mg/kg	5910	5910	43400	55700	462	668	13-116	25	20	M0,R1
Benzo(a)pyrene	ug/kg	20.6 mg/kg	5910	5910	50800	71100	509	853	11-119	33	20	M0,R1
Benzo(b)fluoranthene	ug/kg	28.7 mg/kg	5910	5910	83600	142000	927	1910	10-126	52	20	E,M0,R1
Benzo(g,h,i)perylene	ug/kg	10.5 mg/kg	5910	5910	30500	41300	339	522	10-114	30	20	M0,R1
Benzo(k)fluoranthene	ug/kg	12.3 mg/kg	5910	5910	32900	117000	348	1770	10-117	112	20	M0,R1
Chrysene	ug/kg	23.5 mg/kg	5910	5910	50900	78200	464	925	14-107	42	20	M0,R1
Dibenz(a,h)anthracene	ug/kg	5.2 mg/kg	5910	5910	16200	20400	186	256	10-119	23	20	M0,R1
Fluoranthene	ug/kg	15.1 mg/kg	5910	5910	48900	55900	571	690	17-110	13	20	M0
Fluorene	ug/kg	0.91 mg/kg	5910	5910	4470J	5150J	60	72	17-115		20	
Indeno(1,2,3-cd)pyrene	ug/kg	11.7 mg/kg	5910	5910	30400	42500	317	521	11-111	33	20	M0,R1
N-Nitroso-di-n-propylamine	ug/kg	ND	5910	5910	3440J	3180J	58	54	18-103		20	
Naphthalene	ug/kg	0.50J mg/kg	5910	5910	4130J	4070J	61	60	16-102		20	
Phenanthrene	ug/kg	3.3 mg/kg	5910	5910	5810J	7580	43	73	10-128		20	
Phenol	ug/kg	ND	5910	5910	3490J	3160J	59	53	22-97		20	1d
Pyrene	ug/kg	17.9 mg/kg	5910	5910	54100	68100	613	849	10-123	23	20	M0,R1
2,4,6-Tribromophenol (S)	%.						65	60	16-122			
2-Fluorobiphenyl (S)	%.						59	60	31-94			
2-Fluorophenol (S)	%.						69	64	24-104			

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1004622 1004623

Parameter	Units	5088909019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrobenzene-d5 (S)	%.						55	56	26-98			
p-Terphenyl-d14 (S)	%.						72	71	26-110			
Phenol-d5 (S)	%.						62	58	28-101			

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

QC Batch: PMST/8890 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5089041001, 5089041002, 5089041003, 5089041004, 5089041005

SAMPLE DUPLICATE: 1005587

Parameter	Units	5089041001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.8	13.4	4	5	

SAMPLE DUPLICATE: 1005588

Parameter	Units	5089046004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.7	6.1	8	5	R1

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

QC Batch: WET/13622
QC Batch Method: EPA 9045
Analysis Method: EPA 9045
Analysis Description: 9045 pH
Associated Lab Samples: 5089041003

SAMPLE DUPLICATE: 1004833

Parameter	Units	5089041003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.8	3	20	

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Due to the viscosity of the extract, it was run at 10x. KES 11-6-13
2d	The surrogate recovery exceeds the upper limit due to significant contribution from the target analyte. CEM 11/01/13
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

METHOD CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Parameter	Matrix	Analytical Method	Preparation Method
6010 MET ICP	Solid	SW-846 6010B	SW-846 3050B
7471 Mercury	Solid	SW-846 7471A	SW-846 7471A
8015 GRO 5035	Solid	SW-846 8015B	SW-846 5035A
8015 Gasoline Range Organics	Solid	SW-846 8015A	SW-846 5030A
8015 TPH Ohio Microwave	Solid	SW-846 8015B	SW-846 3546
8082 GCS PCB	Solid	SW-846 8082	SW-846 3546
8260 MSV	Water	SW-846 8260B	SW-846 5030B
8260 MSV 5035A VOA	Solid	SW-846 8260B	SW-846 5035A
8260 MSV UST	Water	SW-846 8260B	SW-846 5030B
8270 MSSV SHORT LIST MICROWAVE	Solid	SW-846 8270C	SW-846 3546

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Columbus, OH 43215
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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089041

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089041001	**FAW-MW01(0-2)-102813**	EPA 3546	OEXT/34239	EPA 8015 Mod Ext	GCSV/11662
5089041002	**FAW-MW01(0-2)-102813D**	EPA 3546	OEXT/34239	EPA 8015 Mod Ext	GCSV/11662
5089041003	**FAW-MW01(2-4)-102813**	EPA 3546	OEXT/34239	EPA 8015 Mod Ext	GCSV/11662
5089041004	**FAW-MW01(8-10)-102813**	EPA 3546	OEXT/34239	EPA 8015 Mod Ext	GCSV/11662
5089041005	**FAW-MW01(24-26)-102813**	EPA 3546	OEXT/34239	EPA 8015 Mod Ext	GCSV/11662
5089041001	**FAW-MW01(0-2)-102813**	EPA 3546	OEXT/34241	EPA 8082	GCSV/11671
5089041002	**FAW-MW01(0-2)-102813D**	EPA 3546	OEXT/34241	EPA 8082	GCSV/11671
5089041003	**FAW-MW01(2-4)-102813**	EPA 3546	OEXT/34241	EPA 8082	GCSV/11671
5089041004	**FAW-MW01(8-10)-102813**	EPA 3546	OEXT/34241	EPA 8082	GCSV/11671
5089041005	**FAW-MW01(24-26)-102813**	EPA 3546	OEXT/34241	EPA 8082	GCSV/11671
5089041001	**FAW-MW01(0-2)-102813**	EPA 8015 Mod Pur	GCV/17333		
5089041002	**FAW-MW01(0-2)-102813D**	EPA 8015 Mod Pur	GCV/17333		
5089041003	**FAW-MW01(2-4)-102813**	EPA 8015 Mod Pur	GCV/17333		
5089041004	**FAW-MW01(8-10)-102813**	EPA 8015 Mod Pur	GCV/17333		
5089041005	**FAW-MW01(24-26)-102813**	EPA 8015 Mod Pur	GCV/17333		
5089041001	**FAW-MW01(0-2)-102813**	EPA 3050	MPRP/12354	EPA 6010	ICP/13658
5089041002	**FAW-MW01(0-2)-102813D**	EPA 3050	MPRP/12354	EPA 6010	ICP/13658
5089041003	**FAW-MW01(2-4)-102813**	EPA 3050	MPRP/12354	EPA 6010	ICP/13658
5089041004	**FAW-MW01(8-10)-102813**	EPA 3050	MPRP/12354	EPA 6010	ICP/13658
5089041005	**FAW-MW01(24-26)-102813**	EPA 3050	MPRP/12354	EPA 6010	ICP/13658
5089041001	**FAW-MW01(0-2)-102813**	EPA 7471	MERP/5003	EPA 7471	MERC/5336
5089041002	**FAW-MW01(0-2)-102813D**	EPA 7471	MERP/5003	EPA 7471	MERC/5336
5089041003	**FAW-MW01(2-4)-102813**	EPA 7471	MERP/5003	EPA 7471	MERC/5336
5089041004	**FAW-MW01(8-10)-102813**	EPA 7471	MERP/5003	EPA 7471	MERC/5336
5089041005	**FAW-MW01(24-26)-102813**	EPA 7471	MERP/5003	EPA 7471	MERC/5336
5089041001	**FAW-MW01(0-2)-102813**	EPA 3546	OEXT/34236	EPA 8270	MSSV/13825
5089041002	**FAW-MW01(0-2)-102813D**	EPA 3546	OEXT/34236	EPA 8270	MSSV/13825
5089041003	**FAW-MW01(2-4)-102813**	EPA 3546	OEXT/34236	EPA 8270	MSSV/13825
5089041004	**FAW-MW01(8-10)-102813**	EPA 3546	OEXT/34236	EPA 8270	MSSV/13825
5089041005	**FAW-MW01(24-26)-102813**	EPA 3546	OEXT/34236	EPA 8270	MSSV/13825
5089041006	**Trip Blank**	EPA 8260	MSV/59143		
5089041001	**FAW-MW01(0-2)-102813**	EPA 8260	MSV/59140		
5089041002	**FAW-MW01(0-2)-102813D**	EPA 8260	MSV/59114		
5089041003	**FAW-MW01(2-4)-102813**	EPA 8260	MSV/59114		
5089041004	**FAW-MW01(8-10)-102813**	EPA 8260	MSV/59114		
5089041005	**FAW-MW01(24-26)-102813**	EPA 8260	MSV/59114		
5089041001	**FAW-MW01(0-2)-102813**	ASTM D2974-87	PMST/8890		
5089041002	**FAW-MW01(0-2)-102813D**	ASTM D2974-87	PMST/8890		
5089041003	**FAW-MW01(2-4)-102813**	ASTM D2974-87	PMST/8890		
5089041004	**FAW-MW01(8-10)-102813**	ASTM D2974-87	PMST/8890		
5089041005	**FAW-MW01(24-26)-102813**	ASTM D2974-87	PMST/8890		
5089041003	**FAW-MW01(2-4)-102813**	EPA 9045	WET/13622		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1718759

Section A Required Client Information:

Company: Weston Solutions
Address: 711 E. Monument Ave
Dayton OH 45402
Email To: laura.funk@westonsolutions.com
Phone: 937-531-4402 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: laura.funk@westonsolutions.com
Copy To:
Purchase Order No.:
Project Name: FAW
Project Number: 20405.016.008.2234.00

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER Ohio VAP

Site Location STATE: OH

5089041

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	FOC	SVOC	PCB	TPH DRO	Metals	pH	VOC	TPHGRO	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FAW-MW01(0-2)-102813	SL	G	10-28	1245				11										X	X	X	X	X		X	X		-001
2	FAW-MW01(0-2)-102813D	SL	G	10-28	1245				11										X	X	X	X	X		X	X		-002
3	FAW-MW01(2-4)-102813	SL	G	10-28	1255				11											X	X	X	X	X	X	X		-003
4	FAW-MW01(8-10)-102813	SL	G	10-28	1300				10											X	X	X	X		X	X		-004
5	FAW-MW01(24-26)-102813	SL	G	10-28	1345				10											X	X	X	X		X	X		-005
6	Trip Blank																								X			-006
7																												
8																												
9																												
10																												
11																												
12																												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
metals: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Tl, V, Zn.	Dustin Bates	10-28-13	1515	[signature]	10/28/13	0:15	0.3	Y	Y	Y

WI / Fed. Ex. master #8033 7845 2760

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Dustin Bates
SIGNATURE of SAMPLER: Dustin Bates
DATE Signed (MM/DD/YY): 10/28/13

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Client Name: Weston Solutions Project # 5089041

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: Master # 8033 7845 2760

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Date/Time 5035A kits placed in freezer 10-29-13 1033

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other T.C. Kits / Ziplocks

Thermometer Used 1 2 3 4 6 A B C D (E)

Type of Ice: (Wet) Blue None ☐ Samples on Ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 0.3°c

Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: KEE 10-29-13

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☒Yes ☐No ☐N/A	5. T.C. Kits
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	6.
Containers Intact:	☒Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒Yes ☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes ☐No ☒N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	10.
Trip Blank Present:	☐Yes ☐No ☐N/A	11.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	12.
Sufficient Volume:	☒Yes ☐No ☐N/A	13.
Correct Containers Used:	☒Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Kenneth Hunt **Date:** 10/29/13

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: Weston Solutions

COC PAGE 1 of 1
COC ID# 1718759

Project # 52890411

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6 Kits	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1			3		8											
2			3													
3			3													
4			2													
5			2													
6	1															
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 06, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161098
Project ID: 5089041/WESTON SOLUTIONS,INC

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on October 30, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161098

Client: PASI Indianapolis

Project ID: 5089041/WESTON SOLUTIONS,INC

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/6/2013 17:11:57

Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161098

Client: PASI Indianapolis

Project ID: 5089041/WESTON SOLUTIONS,INC

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-MW01(0-2)-102813	201138271	Soil	28-Oct-13 12:45	30-Oct-13 10:15
FAW-MW01(0-2)-102813D	201138272	Soil	28-Oct-13 12:45	30-Oct-13 10:15

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161098

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Matrix Spikes and Duplicates:

All MS/MSD recoveries or duplicate RPDs were within QC limits.

QC Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161098

Analytical Method	Batch	Sample used for QC
Dry Weight Moisture	220749	Client sample FAW-MW02(0-2)-102913 from project 20161179
ASTM D2974	220430	Project sample FAW-MW01(0-2)-102813

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-MW01(0-2)-102813
Project: 20161098
Project ID: 5089041/WESTON SOLUTIONS,INC
Site: None
Lab ID: 201138271
Matrix: Soil
%Moisture: 15.2 Not Corrected
Description: None

Collected: 28-Oct-13
Received: 30-Oct-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220430	1	5.12		% (w/w)	0.100	31-Oct-13	31-Oct-13 09:40 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-MW01(0-2)-102813D
Project: 20161098
Project ID: 5089041/WESTON SOLUTIONS,INC
Site: None
Lab ID: 201138272
Matrix: Soil
%Moisture: 16.4 Not Corrected
Description: None

Collected: 28-Oct-13
Received: 30-Oct-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220430	1	8.57		% (w/w)	0.100	31-Oct-13	31-Oct-13 09:41 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Project: 20161098

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	220430	<0.100	% (w/w)										14			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161098

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

Chain of Custody

20161098 PASI-INDI

20161098

Pace Analytical®
www.pacelabs.com

Workorder: 5089041 **Workorder Name:** FAW 20405.016.008.2234.00 **Owner Received Date:** 10/29/2013 **Results Requested By:** 11/11/2013

Report To	Subcontract To
Kenneth Hunt Pace Analytical Services, Inc. 7726 Moller Road Indianapolis, IN 46268 Phone (317)875-5894 Fax (317)872-6189	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: WGFU	Requested Analysis: FOC, ASTM	LAB USE ONLY
1	FAW-MW01(0-2)-102813	PS	10/28/2013 12:45	5089041001	Solid	1	X	20113827
2	FAW-MW01(0-2)-102813D	PS	10/28/2013 12:45	5089041002	Solid	1	X	8272
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Marcia Bennett	10/29/13 15:38	Fed Ex	
2	Fed Ex		[signature]	10:30-13 10:15
3				

Comments

Cooler Temperature on Receipt 1.7 °C **Custody Seal** (Y) or N **Received on Ice** (Y) or N **Samples Intact** (Y) or N

JKee

page 11 of 12

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Con

20161098 PASI-INDI

Courier: ☐ Pace Courier ☐ Hired Courier ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☑Yes ☐No

Therometer Used:	☐ Therm Fisher IR 5 ☐ Therm Fisher IR 6 ☑ Therm Fisher IR 7

Type of Ice: Wet Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10-30 TD

Temp must be measured from Temperature blank when present

			Comments:
Temperature Blank Present"?	☑Yes ☐No ☐N/A	1	
Chain of Custody Present:	☑Yes ☐No ☐N/A	2	
Chain of Custody Complete:	☑Yes ☐No ☐N/A	3	
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4	
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5	
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	6	
Sufficient Volume:	☑Yes ☐No ☐N/A	7	
Correct Containers Used:	☑Yes ☐No ☐N/A	8	
Filtered vol. Rec. for Diss. tests	☐Yes ☑No ☐N/A	9	
Sample Labels match COC:	☑Yes ☐No ☐N/A	10	
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes ☐No ☐N/A	11	
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐Yes ☐No ☑N/A	12	
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	13	If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO_3 _____ H_2SO_4 _____
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14	
Trip Blank Present:	☐Yes ☐No	15	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 15Feb2013 SCUR Form - mod

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(317)875-5894

November 12, 2013

Ms. Laura Funk
Weston Solutions
711 East Monument Ave
Dayton, OH 45402

RE: Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Dear Ms. Funk:
Enclosed are the analytical results for sample(s) received by the laboratory on October 29, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5089046001	**FAW-SB01(0-2)102813**	Solid	10/28/13 09:40	10/29/13 09:51
5089046002	**FAW-SB01(2-4)102813**	Solid	10/28/13 09:40	10/29/13 09:51
5089046003	**FAW-SB01(8-10)102813**	Solid	10/28/13 10:05	10/29/13 09:51
5089046004	**FAW-SB01(23-25)102814**	Solid	10/28/13 11:10	10/29/13 09:51
5089046005	**FAW-IDW01-102813**	Solid	10/28/13 14:25	10/29/13 09:51
5089046006	**TRIP BLANK**	Water	10/28/13 08:00	10/29/13 09:51

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5089046001	**FAW-SB01(0-2)102813**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	ALA	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089046002	**FAW-SB01(2-4)102813**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	ALA	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
		EPA 9045	TPD	1	PASI-I
5089046003	**FAW-SB01(8-10)102813**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	ALA	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089046004	**FAW-SB01(23-25)102814**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	ALA	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089046005	**FAW-IDW01-102813**	EPA 6010	LLB	7	PASI-I
		EPA 7470	LLB	1	PASI-I
		EPA 8270	KES	18	PASI-I
		EPA 8260	ALA	13	PASI-I

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 1010	WDB	1	PASI-I
5089046006	**TRIP BLANK**	EPA 8260	ALA	68	PASI-I

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(0-2)102813 **Lab ID: 5089046001** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**97.4**	mg/kg	22.0	5.5	1	10/30/13 10:05	10/31/13 18:10		
TPH (C10-C20)	**19.0**	mg/kg	11.0	5.5	1	10/30/13 10:05	10/31/13 18:10		
TPH (C20-C34)	**78.4**	mg/kg	11.0	5.5	1	10/30/13 10:05	10/31/13 18:10		
Surrogates									
n-Pentacosane (S)	193	%.	30-153		1	10/30/13 10:05	10/31/13 18:10	629-99-2	2d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	110	55.1	1	10/30/13 11:39	11/01/13 16:05	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	110	55.1	1	10/30/13 11:39	11/01/13 16:05	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	110	55.1	1	10/30/13 11:39	11/01/13 16:05	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	110	55.1	1	10/30/13 11:39	11/01/13 16:05	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	110	55.1	1	10/30/13 11:39	11/01/13 16:05	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	110	55.1	1	10/30/13 11:39	11/01/13 16:05	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	110	55.1	1	10/30/13 11:39	11/01/13 16:05	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	68	%.	30-106		1	10/30/13 11:39	11/01/13 16:05	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.91	0.45	1		11/05/13 05:27		
Surrogates									
4-Bromofluorobenzene (S)	100	%.	38-163		1		11/05/13 05:27	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**9840**	mg/kg	53.7	26.9	1	10/30/13 10:53	10/31/13 09:03	7429-90-5	
Antimony	ND	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-36-0	
Arsenic	**39.5**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-38-2	
Barium	**279**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-39-3	
Beryllium	**0.62**	mg/kg	0.54	0.27	1	10/30/13 10:53	10/31/13 09:03	7440-41-7	
Cadmium	**0.76J**	mg/kg	2.1	0.54	1	10/30/13 10:53	10/31/13 09:03	7440-43-9	
Chromium	**21.5**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-47-3	
Cobalt	**3.2**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-48-4	
Copper	**32.4**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-50-8	
Lead	**56.8**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7439-92-1	
Nickel	**12.0**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-02-0	
Selenium	ND	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7782-49-2	
Silver	ND	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-22-4	
Thallium	**3.0**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-28-0	
Vanadium	**25.5**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-62-2	
Zinc	**179**	mg/kg	2.1	1.1	1	10/30/13 10:53	10/31/13 09:03	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.44**	mg/kg	0.23	0.20	1	11/04/13 11:45	11/05/13 10:51	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(0-2)102813 **Lab ID: 5089046001** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**274J**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	83-32-9	
Acenaphthylene	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	208-96-8	
Anthracene	**563**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	120-12-7	
Benzo(a)anthracene	**1740**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	56-55-3	
Benzo(a)pyrene	**1650**	ug/kg	189	183	1	10/29/13 18:21	11/02/13 00:58	50-32-8	
Benzo(b)fluoranthene	**2410**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	205-99-2	
Benzo(g,h,i)perylene	**1100**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	191-24-2	
Benzo(k)fluoranthene	**804**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	207-08-9	
Benzyl alcohol	ND	ug/kg	732	366	1	10/29/13 18:21	11/02/13 00:58	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	101-55-3	
Butylbenzylphthalate	**18500**	ug/kg	3660	1830	10	10/29/13 18:21	11/07/13 16:51	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	732	366	1	10/29/13 18:21	11/02/13 00:58	59-50-7	
4-Chloroaniline	ND	ug/kg	732	366	1	10/29/13 18:21	11/02/13 00:58	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	108-60-1	
2-Chloronaphthalene	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	91-58-7	
2-Chlorophenol	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	7005-72-3	
Chrysene	**1880**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	218-01-9	
Dibenz(a,h)anthracene	**309**	ug/kg	189	183	1	10/29/13 18:21	11/02/13 00:58	53-70-3	
Dibenzofuran	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	120-83-2	
Diethylphthalate	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	105-67-9	
Dimethylphthalate	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	131-11-3	
Di-n-butylphthalate	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1780	888	1	10/29/13 18:21	11/02/13 00:58	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1780	1780	1	10/29/13 18:21	11/02/13 00:58	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	606-20-2	
Di-n-octylphthalate	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	117-84-0	
bis(2-Ethylhexyl)phthalate	**43500**	ug/kg	3660	1830	10	10/29/13 18:21	11/07/13 16:51	117-81-7	
Fluoranthene	**4350**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	206-44-0	
Fluorene	**286J**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	366	366	1	10/29/13 18:21	11/02/13 00:58	77-47-4	
Hexachloroethane	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	67-72-1	
Indeno(1,2,3-cd)pyrene	**1160**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	193-39-5	
Isophorone	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	78-59-1	
2-Methylnaphthalene	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	732	366	1	10/29/13 18:21	11/02/13 00:58		
Naphthalene	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	91-20-3	
2-Nitroaniline	ND	ug/kg	1780	888	1	10/29/13 18:21	11/02/13 00:58	88-74-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(0-2)102813 **Lab ID: 5089046001** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1780	888	1	10/29/13 18:21	11/02/13 00:58	99-09-2	
4-Nitroaniline	ND	ug/kg	1780	888	1	10/29/13 18:21	11/02/13 00:58	100-01-6	
Nitrobenzene	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	98-95-3	
2-Nitrophenol	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	88-75-5	
4-Nitrophenol	ND	ug/kg	1780	888	1	10/29/13 18:21	11/02/13 00:58	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	86-30-6	
Phenanthrene	**2610**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	85-01-8	
Phenol	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	108-95-2	
Pyrene	**3590**	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	366	183	1	10/29/13 18:21	11/02/13 00:58	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	53	%.	28-101		1	10/29/13 18:21	11/02/13 00:58	4165-60-0	
2-Fluorobiphenyl (S)	53	%.	31-94		1	10/29/13 18:21	11/02/13 00:58	321-60-8	
p-Terphenyl-d14 (S)	70	%.	26-110		1	10/29/13 18:21	11/02/13 00:58	1718-51-0	
Phenol-d5 (S)	56	%.	28-101		1	10/29/13 18:21	11/02/13 00:58	4165-62-2	
2-Fluorophenol (S)	56	%.	24-104		1	10/29/13 18:21	11/02/13 00:58	367-12-4	
2,4,6-Tribromophenol (S)	60	%.	16-122		1	10/29/13 18:21	11/02/13 00:58	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.098	0.049	1		11/08/13 16:39	67-64-1	
Acrolein	ND	mg/kg	0.098	0.049	1		11/08/13 16:39	107-02-8	
Benzene	ND	mg/kg	0.0049	0.00098	1		11/08/13 16:39	71-43-2	
Bromobenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	108-86-1	
Bromochloromethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-27-4	
Bromoform	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-25-2	
Bromomethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.025	0.012	1		11/08/13 16:39	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	98-06-6	
Carbon disulfide	ND	mg/kg	0.0098	0.0025	1		11/08/13 16:39	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	56-23-5	
Chlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	108-90-7	
Chloroethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-00-3	
Chloroform	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	67-66-3	
Chloromethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	124-48-1	
Dibromomethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(0-2)102813 **Lab ID: 5089046001** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.098	0.049	1		11/08/13 16:39	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.098	0.049	1		11/08/13 16:39	97-63-2	
n-Hexane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	110-54-3	N2
2-Hexanone	ND	mg/kg	0.098	0.049	1		11/08/13 16:39	591-78-6	
Iodomethane	ND	mg/kg	0.098	0.049	1		11/08/13 16:39	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	99-87-6	
Methylene Chloride	ND	mg/kg	0.020	0.0098	1		11/08/13 16:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.025	0.012	1		11/08/13 16:39	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	103-65-1	
Styrene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0049	0.00098	1		11/08/13 16:39	127-18-4	
Toluene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	79-00-5	
Trichloroethene	ND	mg/kg	0.0049	0.00098	1		11/08/13 16:39	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	108-67-8	
Vinyl acetate	ND	mg/kg	0.098	0.049	1		11/08/13 16:39	108-05-4	
Vinyl chloride	ND	mg/kg	0.0049	0.0025	1		11/08/13 16:39	75-01-4	
Xylene (Total)	ND	mg/kg	0.0098	0.0049	1		11/08/13 16:39	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	113	%.	85-118		1		11/08/13 16:39	1868-53-7	
Toluene-d8 (S)	109	%.	71-128		1		11/08/13 16:39	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(0-2)102813 **Lab ID: 5089046001** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	95	%.	56-144		1		11/08/13 16:39	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.9**	%	0.10	0.10	1		10/31/13 11:11		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(2-4)102813 **Lab ID: 5089046002** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**34.4**	mg/kg	22.1	5.5	1	10/30/13 10:05	10/31/13 12:57		
TPH (C10-C20)	**6.6J**	mg/kg	11.1	5.5	1	10/30/13 10:05	10/31/13 12:57		
TPH (C20-C34)	**27.8**	mg/kg	11.1	5.5	1	10/30/13 10:05	10/31/13 12:57		
Surrogates									
n-Pentacosane (S)	145	%.	30-153		1	10/30/13 10:05	10/31/13 12:57	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	111	55.7	1	10/30/13 11:39	11/01/13 16:11	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	111	55.7	1	10/30/13 11:39	11/01/13 16:11	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	111	55.7	1	10/30/13 11:39	11/01/13 16:11	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	111	55.7	1	10/30/13 11:39	11/01/13 16:11	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	111	55.7	1	10/30/13 11:39	11/01/13 16:11	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	111	55.7	1	10/30/13 11:39	11/01/13 16:11	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	111	55.7	1	10/30/13 11:39	11/01/13 16:11	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	71	%.	30-106		1	10/30/13 11:39	11/01/13 16:11	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.90	0.45	1		11/05/13 05:52		
Surrogates									
4-Bromofluorobenzene (S)	100	%.	38-163		1		11/05/13 05:52	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7650**	mg/kg	48.1	24.1	1	10/30/13 10:53	10/31/13 09:09	7429-90-5	
Antimony	**1.7J**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-36-0	
Arsenic	**10.8**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-38-2	
Barium	**87.0**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-39-3	
Beryllium	**0.41J**	mg/kg	0.48	0.24	1	10/30/13 10:53	10/31/13 09:09	7440-41-7	
Cadmium	**0.67J**	mg/kg	1.9	0.48	1	10/30/13 10:53	10/31/13 09:09	7440-43-9	
Chromium	**25.3**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-47-3	
Cobalt	**1.3J**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-48-4	
Copper	**86.5**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-50-8	
Lead	**100**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7439-92-1	
Nickel	**10.2**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-02-0	
Selenium	ND	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7782-49-2	
Silver	ND	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-22-4	
Thallium	**1.0J**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-28-0	
Vanadium	**18.8**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-62-2	
Zinc	**59.9**	mg/kg	1.9	0.96	1	10/30/13 10:53	10/31/13 09:09	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	0.20	1	11/04/13 11:45	11/05/13 10:53	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(2-4)102813 **Lab ID: 5089046002** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	83-32-9	
Acenaphthylene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	208-96-8	
Anthracene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	120-12-7	
Benzo(a)anthracene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	56-55-3	
Benzo(a)pyrene	ND	ug/kg	189	184	1	10/29/13 18:21	11/02/13 01:19	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	207-08-9	
Benzyl alcohol	ND	ug/kg	735	367	1	10/29/13 18:21	11/02/13 01:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	101-55-3	
Butylbenzylphthalate	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	735	367	1	10/29/13 18:21	11/02/13 01:19	59-50-7	
4-Chloroaniline	ND	ug/kg	735	367	1	10/29/13 18:21	11/02/13 01:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	108-60-1	
2-Chloronaphthalene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	91-58-7	
2-Chlorophenol	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	7005-72-3	
Chrysene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	189	184	1	10/29/13 18:21	11/02/13 01:19	53-70-3	
Dibenzofuran	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	120-83-2	
Diethylphthalate	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	105-67-9	
Dimethylphthalate	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	131-11-3	
Di-n-butylphthalate	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1780	890	1	10/29/13 18:21	11/02/13 01:19	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1780	1780	1	10/29/13 18:21	11/02/13 01:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	606-20-2	
Di-n-octylphthalate	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	117-81-7	
Fluoranthene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	206-44-0	
Fluorene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	367	367	1	10/29/13 18:21	11/02/13 01:19	77-47-4	
Hexachloroethane	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	193-39-5	
Isophorone	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	78-59-1	
2-Methylnaphthalene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	735	367	1	10/29/13 18:21	11/02/13 01:19		
Naphthalene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	91-20-3	
2-Nitroaniline	ND	ug/kg	1780	890	1	10/29/13 18:21	11/02/13 01:19	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(2-4)102813 **Lab ID: 5089046002** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1780	890	1	10/29/13 18:21	11/02/13 01:19	99-09-2	
4-Nitroaniline	ND	ug/kg	1780	890	1	10/29/13 18:21	11/02/13 01:19	100-01-6	
Nitrobenzene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	98-95-3	
2-Nitrophenol	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	88-75-5	
4-Nitrophenol	ND	ug/kg	1780	890	1	10/29/13 18:21	11/02/13 01:19	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	86-30-6	
Phenanthrene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	85-01-8	
Phenol	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	108-95-2	
Pyrene	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	367	184	1	10/29/13 18:21	11/02/13 01:19	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	53	%.	28-101		1	10/29/13 18:21	11/02/13 01:19	4165-60-0	
2-Fluorobiphenyl (S)	54	%.	31-94		1	10/29/13 18:21	11/02/13 01:19	321-60-8	
p-Terphenyl-d14 (S)	70	%.	26-110		1	10/29/13 18:21	11/02/13 01:19	1718-51-0	
Phenol-d5 (S)	60	%.	28-101		1	10/29/13 18:21	11/02/13 01:19	4165-62-2	
2-Fluorophenol (S)	57	%.	24-104		1	10/29/13 18:21	11/02/13 01:19	367-12-4	
2,4,6-Tribromophenol (S)	61	%.	16-122		1	10/29/13 18:21	11/02/13 01:19	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**0.17**	mg/kg	0.089	0.045	1		11/08/13 17:17	67-64-1	
Acrolein	ND	mg/kg	0.089	0.045	1		11/08/13 17:17	107-02-8	
Benzene	ND	mg/kg	0.0045	0.00089	1		11/08/13 17:17	71-43-2	
Bromobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	108-86-1	
Bromochloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-27-4	
Bromoform	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-25-2	
Bromomethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	74-83-9	
2-Butanone (MEK)	**0.022**	mg/kg	0.022	0.011	1		11/08/13 17:17	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	98-06-6	
Carbon disulfide	**0.0040J**	mg/kg	0.0089	0.0022	1		11/08/13 17:17	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	108-90-7	
Chloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-00-3	
Chloroform	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	67-66-3	
Chloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	124-48-1	
Dibromomethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(2-4)102813 **Lab ID: 5089046002** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.089	0.045	1		11/08/13 17:17	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.089	0.045	1		11/08/13 17:17	97-63-2	
n-Hexane	**0.027**	mg/kg	0.0045	0.0022	1		11/08/13 17:17	110-54-3	N2
2-Hexanone	ND	mg/kg	0.089	0.045	1		11/08/13 17:17	591-78-6	
Iodomethane	ND	mg/kg	0.089	0.045	1		11/08/13 17:17	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0089	1		11/08/13 17:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.022	0.011	1		11/08/13 17:17	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	103-65-1	
Styrene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0045	0.00089	1		11/08/13 17:17	127-18-4	
Toluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	79-00-5	
Trichloroethene	ND	mg/kg	0.0045	0.00089	1		11/08/13 17:17	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	108-67-8	
Vinyl acetate	ND	mg/kg	0.089	0.045	1		11/08/13 17:17	108-05-4	
Vinyl chloride	ND	mg/kg	0.0045	0.0022	1		11/08/13 17:17	75-01-4	
Xylene (Total)	ND	mg/kg	0.0089	0.0045	1		11/08/13 17:17	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	97	%.	85-118		1		11/08/13 17:17	1868-53-7	
Toluene-d8 (S)	115	%.	71-128		1		11/08/13 17:17	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(2-4)102813 **Lab ID: 5089046002** Collected: 10/28/13 09:40 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	85	%.	56-144		1		11/08/13 17:17	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.2**	%	0.10	0.10	1		10/31/13 11:11		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**5.5**	Std. Units	0.10		1		10/30/13 12:40		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(8-10)102813 **Lab ID: 5089046003** Collected: 10/28/13 10:05 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	ND	mg/kg	22.7	5.7	1	10/30/13 10:05	10/31/13 13:17		
TPH (C10-C20)	ND	mg/kg	11.3	5.7	1	10/30/13 10:05	10/31/13 13:17		
TPH (C20-C34)	ND	mg/kg	11.3	5.7	1	10/30/13 10:05	10/31/13 13:17		
Surrogates									
n-Pentacosane (S)	80	%.	30-153		1	10/30/13 10:05	10/31/13 13:17	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 16:23	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 16:23	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 16:23	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 16:23	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 16:23	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 16:23	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	113	56.3	1	10/30/13 11:39	11/01/13 16:23	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	75	%.	30-106		1	10/30/13 11:39	11/01/13 16:23	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.78	0.39	1		11/05/13 06:17		
Surrogates									
4-Bromofluorobenzene (S)	99	%.	38-163		1		11/05/13 06:17	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**6430**	mg/kg	54.2	27.1	1	10/30/13 10:53	10/31/13 09:11	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-36-0	
Arsenic	**11.1**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-38-2	
Barium	**21.3**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-39-3	
Beryllium	**0.37J**	mg/kg	0.54	0.27	1	10/30/13 10:53	10/31/13 09:11	7440-41-7	
Cadmium	ND	mg/kg	2.2	0.54	1	10/30/13 10:53	10/31/13 09:11	7440-43-9	
Chromium	**9.1**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-47-3	
Cobalt	**6.7**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-48-4	
Copper	**19.3**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-50-8	
Lead	**7.2**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7439-92-1	
Nickel	**18.9**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-28-0	
Vanadium	**16.4**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-62-2	
Zinc	**56.9**	mg/kg	2.2	1.1	1	10/30/13 10:53	10/31/13 09:11	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	0.20	1	11/04/13 11:45	11/05/13 10:55	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(8-10)102813 **Lab ID: 5089046003** Collected: 10/28/13 10:05 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	83-32-9	
Acenaphthylene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	208-96-8	
Anthracene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	120-12-7	
Benzo(a)anthracene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	56-55-3	
Benzo(a)pyrene	ND	ug/kg	191	185	1	10/29/13 18:21	11/01/13 09:26	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	207-08-9	
Benzyl alcohol	ND	ug/kg	741	371	1	10/29/13 18:21	11/01/13 09:26	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	101-55-3	
Butylbenzylphthalate	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	741	371	1	10/29/13 18:21	11/01/13 09:26	59-50-7	
4-Chloroaniline	ND	ug/kg	741	371	1	10/29/13 18:21	11/01/13 09:26	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	108-60-1	
2-Chloronaphthalene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	91-58-7	
2-Chlorophenol	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	7005-72-3	
Chrysene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	191	185	1	10/29/13 18:21	11/01/13 09:26	53-70-3	
Dibenzofuran	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	120-83-2	
Diethylphthalate	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	105-67-9	
Dimethylphthalate	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	131-11-3	
Di-n-butylphthalate	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1800	898	1	10/29/13 18:21	11/01/13 09:26	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1800	1800	1	10/29/13 18:21	11/01/13 09:26	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	606-20-2	
Di-n-octylphthalate	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	117-81-7	
Fluoranthene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	206-44-0	
Fluorene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	371	371	1	10/29/13 18:21	11/01/13 09:26	77-47-4	
Hexachloroethane	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	193-39-5	
Isophorone	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	78-59-1	
2-Methylnaphthalene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	741	371	1	10/29/13 18:21	11/01/13 09:26		
Naphthalene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	91-20-3	
2-Nitroaniline	ND	ug/kg	1800	898	1	10/29/13 18:21	11/01/13 09:26	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(8-10)102813 **Lab ID: 5089046003** Collected: 10/28/13 10:05 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1800	898	1	10/29/13 18:21	11/01/13 09:26	99-09-2	
4-Nitroaniline	ND	ug/kg	1800	898	1	10/29/13 18:21	11/01/13 09:26	100-01-6	
Nitrobenzene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	98-95-3	
2-Nitrophenol	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	88-75-5	
4-Nitrophenol	ND	ug/kg	1800	898	1	10/29/13 18:21	11/01/13 09:26	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	86-30-6	
Phenanthrene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	85-01-8	
Phenol	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	108-95-2	
Pyrene	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	371	185	1	10/29/13 18:21	11/01/13 09:26	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	65	%.	28-101		1	10/29/13 18:21	11/01/13 09:26	4165-60-0	
2-Fluorobiphenyl (S)	64	%.	31-94		1	10/29/13 18:21	11/01/13 09:26	321-60-8	
p-Terphenyl-d14 (S)	72	%.	26-110		1	10/29/13 18:21	11/01/13 09:26	1718-51-0	
Phenol-d5 (S)	66	%.	28-101		1	10/29/13 18:21	11/01/13 09:26	4165-62-2	
2-Fluorophenol (S)	76	%.	24-104		1	10/29/13 18:21	11/01/13 09:26	367-12-4	
2,4,6-Tribromophenol (S)	78	%.	16-122		1	10/29/13 18:21	11/01/13 09:26	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.081	0.040	1		11/08/13 17:55	67-64-1	
Acrolein	ND	mg/kg	0.081	0.040	1		11/08/13 17:55	107-02-8	
Benzene	ND	mg/kg	0.0040	0.00081	1		11/08/13 17:55	71-43-2	
Bromobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	108-86-1	
Bromochloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-27-4	
Bromoform	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-25-2	
Bromomethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.020	0.0097	1		11/08/13 17:55	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	98-06-6	
Carbon disulfide	ND	mg/kg	0.0081	0.0020	1		11/08/13 17:55	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	56-23-5	
Chlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	108-90-7	
Chloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-00-3	
Chloroform	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	67-66-3	
Chloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	124-48-1	
Dibromomethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(8-10)102813 **Lab ID: 5089046003** Collected: 10/28/13 10:05 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.081	0.040	1		11/08/13 17:55	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.081	0.040	1		11/08/13 17:55	97-63-2	
n-Hexane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	110-54-3	N2
2-Hexanone	ND	mg/kg	0.081	0.040	1		11/08/13 17:55	591-78-6	
Iodomethane	ND	mg/kg	0.081	0.040	1		11/08/13 17:55	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	99-87-6	
Methylene Chloride	ND	mg/kg	0.016	0.0081	1		11/08/13 17:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.020	0.0097	1		11/08/13 17:55	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	103-65-1	
Styrene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0040	0.00081	1		11/08/13 17:55	127-18-4	
Toluene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	79-00-5	
Trichloroethene	ND	mg/kg	0.0040	0.00081	1		11/08/13 17:55	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	108-67-8	
Vinyl acetate	ND	mg/kg	0.081	0.040	1		11/08/13 17:55	108-05-4	
Vinyl chloride	ND	mg/kg	0.0040	0.0020	1		11/08/13 17:55	75-01-4	
Xylene (Total)	ND	mg/kg	0.0081	0.0040	1		11/08/13 17:55	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	103	%.	85-118		1		11/08/13 17:55	1868-53-7	
Toluene-d8 (S)	98	%.	71-128		1		11/08/13 17:55	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(8-10)102813 **Lab ID: 5089046003** Collected: 10/28/13 10:05 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	106	%.	56-144		1		11/08/13 17:55	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.8**	%	0.10	0.10	1		10/31/13 11:11		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(23-25)102814 **Lab ID: 5089046004** Collected: 10/28/13 11:10 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	ND	mg/kg	20.9	5.2	1	10/30/13 10:05	10/31/13 13:24		
TPH (C10-C20)	ND	mg/kg	10.5	5.2	1	10/30/13 10:05	10/31/13 13:24		
TPH (C20-C34)	ND	mg/kg	10.5	5.2	1	10/30/13 10:05	10/31/13 13:24		
Surrogates									
n-Pentacosane (S)	82	%.	30-153		1	10/30/13 10:05	10/31/13 13:24	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	105	52.7	1	10/30/13 11:39	11/01/13 16:29	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	105	52.7	1	10/30/13 11:39	11/01/13 16:29	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	105	52.7	1	10/30/13 11:39	11/01/13 16:29	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	105	52.7	1	10/30/13 11:39	11/01/13 16:29	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	105	52.7	1	10/30/13 11:39	11/01/13 16:29	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	105	52.7	1	10/30/13 11:39	11/01/13 16:29	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	105	52.7	1	10/30/13 11:39	11/01/13 16:29	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	76	%.	30-106		1	10/30/13 11:39	11/01/13 16:29	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.91	0.45	1		11/05/13 06:42		
Surrogates									
4-Bromofluorobenzene (S)	93	%.	38-163		1		11/05/13 06:42	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**4750**	mg/kg	50.5	25.2	1	10/30/13 10:53	10/31/13 09:13	7429-90-5	
Antimony	ND	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-36-0	
Arsenic	**10.3**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-38-2	
Barium	**14.8**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-39-3	
Beryllium	**0.28J**	mg/kg	0.50	0.25	1	10/30/13 10:53	10/31/13 09:13	7440-41-7	
Cadmium	ND	mg/kg	2.0	0.50	1	10/30/13 10:53	10/31/13 09:13	7440-43-9	
Chromium	**7.3**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-47-3	
Cobalt	**5.5**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-48-4	
Copper	**17.3**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-50-8	
Lead	**6.3**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7439-92-1	
Nickel	**17.3**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-02-0	
Selenium	ND	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7782-49-2	
Silver	ND	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-22-4	
Thallium	ND	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-28-0	
Vanadium	**11.7**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-62-2	
Zinc	**50.7**	mg/kg	2.0	1.0	1	10/30/13 10:53	10/31/13 09:13	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.21	0.18	1	11/04/13 11:45	11/05/13 10:57	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(23-25)102814 **Lab ID: 5089046004** Collected: 10/28/13 11:10 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	83-32-9	
Acenaphthylene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	208-96-8	
Anthracene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	120-12-7	
Benzo(a)anthracene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	56-55-3	
Benzo(a)pyrene	ND	ug/kg	180	175	1	10/30/13 21:00	11/01/13 08:05	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	207-08-9	
Benzyl alcohol	ND	ug/kg	700	350	1	10/30/13 21:00	11/01/13 08:05	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	101-55-3	
Butylbenzylphthalate	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	700	350	1	10/30/13 21:00	11/01/13 08:05	59-50-7	
4-Chloroaniline	ND	ug/kg	700	350	1	10/30/13 21:00	11/01/13 08:05	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	108-60-1	
2-Chloronaphthalene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	91-58-7	
2-Chlorophenol	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	7005-72-3	
Chrysene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	180	175	1	10/30/13 21:00	11/01/13 08:05	53-70-3	
Dibenzofuran	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	120-83-2	
Diethylphthalate	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	105-67-9	
Dimethylphthalate	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	131-11-3	
Di-n-butylphthalate	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1700	848	1	10/30/13 21:00	11/01/13 08:05	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1700	1700	1	10/30/13 21:00	11/01/13 08:05	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	606-20-2	
Di-n-octylphthalate	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	117-81-7	
Fluoranthene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	206-44-0	
Fluorene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	350	350	1	10/30/13 21:00	11/01/13 08:05	77-47-4	
Hexachloroethane	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	193-39-5	
Isophorone	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	78-59-1	
2-Methylnaphthalene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	700	350	1	10/30/13 21:00	11/01/13 08:05		
Naphthalene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	91-20-3	
2-Nitroaniline	ND	ug/kg	1700	848	1	10/30/13 21:00	11/01/13 08:05	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(23-25)102814 **Lab ID: 5089046004** Collected: 10/28/13 11:10 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1700	848	1	10/30/13 21:00	11/01/13 08:05	99-09-2	
4-Nitroaniline	ND	ug/kg	1700	848	1	10/30/13 21:00	11/01/13 08:05	100-01-6	
Nitrobenzene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	98-95-3	
2-Nitrophenol	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	88-75-5	
4-Nitrophenol	ND	ug/kg	1700	848	1	10/30/13 21:00	11/01/13 08:05	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	86-30-6	
Phenanthrene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	85-01-8	
Phenol	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	108-95-2	
Pyrene	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	350	175	1	10/30/13 21:00	11/01/13 08:05	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	53	%.	28-101		1	10/30/13 21:00	11/01/13 08:05	4165-60-0	
2-Fluorobiphenyl (S)	55	%.	31-94		1	10/30/13 21:00	11/01/13 08:05	321-60-8	
p-Terphenyl-d14 (S)	67	%.	26-110		1	10/30/13 21:00	11/01/13 08:05	1718-51-0	
Phenol-d5 (S)	54	%.	28-101		1	10/30/13 21:00	11/01/13 08:05	4165-62-2	
2-Fluorophenol (S)	62	%.	24-104		1	10/30/13 21:00	11/01/13 08:05	367-12-4	
2,4,6-Tribromophenol (S)	64	%.	16-122		1	10/30/13 21:00	11/01/13 08:05	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.090	0.045	1		11/08/13 18:33	67-64-1	
Acrolein	ND	mg/kg	0.090	0.045	1		11/08/13 18:33	107-02-8	
Benzene	ND	mg/kg	0.0045	0.00090	1		11/08/13 18:33	71-43-2	
Bromobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	108-86-1	
Bromochloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-27-4	
Bromoform	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-25-2	
Bromomethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.022	0.011	1		11/08/13 18:33	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	98-06-6	
Carbon disulfide	ND	mg/kg	0.0090	0.0022	1		11/08/13 18:33	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	108-90-7	
Chloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-00-3	
Chloroform	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	67-66-3	
Chloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	124-48-1	
Dibromomethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(23-25)102814 **Lab ID: 5089046004** Collected: 10/28/13 11:10 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.090	0.045	1		11/08/13 18:33	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.090	0.045	1		11/08/13 18:33	97-63-2	
n-Hexane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	110-54-3	N2
2-Hexanone	ND	mg/kg	0.090	0.045	1		11/08/13 18:33	591-78-6	
Iodomethane	ND	mg/kg	0.090	0.045	1		11/08/13 18:33	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0090	1		11/08/13 18:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.022	0.011	1		11/08/13 18:33	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	103-65-1	
Styrene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0045	0.00090	1		11/08/13 18:33	127-18-4	
Toluene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	79-00-5	
Trichloroethene	ND	mg/kg	0.0045	0.00090	1		11/08/13 18:33	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	108-67-8	
Vinyl acetate	ND	mg/kg	0.090	0.045	1		11/08/13 18:33	108-05-4	
Vinyl chloride	ND	mg/kg	0.0045	0.0022	1		11/08/13 18:33	75-01-4	
Xylene (Total)	ND	mg/kg	0.0090	0.0045	1		11/08/13 18:33	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	108	%.	85-118		1		11/08/13 18:33	1868-53-7	
Toluene-d8 (S)	100	%.	71-128		1		11/08/13 18:33	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-SB01(23-25)102814 **Lab ID: 5089046004** Collected: 10/28/13 11:10 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	102	%.	56-144		1		11/08/13 18:33	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.7**	%	0.10	0.10	1		10/31/13 11:11		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-IDW01-102813 **Lab ID: 5089046005** Collected: 10/28/13 14:25 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 11/01/13 12:35								
Arsenic	**0.0054J**	mg/L	0.010	0.0050	1	11/05/13 14:10	11/06/13 13:18	7440-38-2	
Barium	**0.67**	mg/L	0.50	0.010	1	11/05/13 14:10	11/06/13 13:18	7440-39-3	
Cadmium	**0.0039J**	mg/L	0.0050	0.0025	1	11/05/13 14:10	11/06/13 13:18	7440-43-9	
Chromium	ND	mg/L	0.010	0.0050	1	11/05/13 14:10	11/06/13 13:18	7440-47-3	
Lead	**0.091**	mg/L	0.010	0.0040	1	11/05/13 14:10	11/06/13 13:18	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	11/05/13 14:10	11/06/13 13:18	7782-49-2	
Silver	ND	mg/L	0.050	0.025	1	11/05/13 14:10	11/06/13 13:18	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Leachate Method/Date: EPA 1311; 11/01/13 12:35								
Mercury	ND	mg/L	0.00067	0.00033	1	11/05/13 10:15	11/06/13 14:52	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 11/01/13 12:37								
1,4-Dichlorobenzene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	87-68-3	
Hexachlorobenzene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	118-74-1	
Hexachloroethane	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	200	100	1	11/05/13 13:36	11/05/13 19:40		
Nitrobenzene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	98-95-3	
Pentachlorophenol	ND	ug/L	500	250	1	11/05/13 13:36	11/05/13 19:40	87-86-5	
Pyridine	ND	ug/L	100	100	1	11/05/13 13:36	11/05/13 19:40	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	500	50.0	1	11/05/13 13:36	11/05/13 19:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 19:40	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	72	%.	29-126		1	11/05/13 13:36	11/05/13 19:40	4165-60-0	
2-Fluorobiphenyl (S)	69	%.	31-118		1	11/05/13 13:36	11/05/13 19:40	321-60-8	
p-Terphenyl-d14 (S)	71	%.	28-129		1	11/05/13 13:36	11/05/13 19:40	1718-51-0	
Phenol-d5 (S)	20	%.	10-47		1	11/05/13 13:36	11/05/13 19:40	4165-62-2	
2-Fluorophenol (S)	40	%.	10-67		1	11/05/13 13:36	11/05/13 19:40	367-12-4	
2,4,6-Tribromophenol (S)	84	%.	31-161		1	11/05/13 13:36	11/05/13 19:40	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 10/30/13 12:45								
Benzene	ND	ug/L	50.0		1		11/11/13 13:25	71-43-2	
2-Butanone (MEK)	ND	ug/L	1000		1		11/11/13 13:25	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0		1		11/11/13 13:25	56-23-5	
Chlorobenzene	ND	ug/L	50.0		1		11/11/13 13:25	108-90-7	
Chloroform	ND	ug/L	50.0		1		11/11/13 13:25	67-66-3	
1,2-Dichloroethane	ND	ug/L	50.0		1		11/11/13 13:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0		1		11/11/13 13:25	75-35-4	
Tetrachloroethene	ND	ug/L	50.0		1		11/11/13 13:25	127-18-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: FAW-IDW01-102813 **Lab ID: 5089046005** Collected: 10/28/13 14:25 Received: 10/29/13 09:51 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 10/30/13 12:45								
Trichloroethene	ND	ug/L	50.0		1		11/11/13 13:25	79-01-6	
Vinyl chloride	ND	ug/L	20.0		1		11/11/13 13:25	75-01-4	
Surrogates									
Toluene-d8 (S)	95	%.	81-110		1		11/11/13 13:25	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	80-114		1		11/11/13 13:25	460-00-4	
Dibromofluoromethane (S)	99	%.	79-116		1		11/11/13 13:25	1868-53-7	
1010 Flashpoint,Closed Cup	Analytical Method: EPA 1010								
Flashpoint	**>180**	deg F		78.0	1		10/30/13 13:47		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: TRIP BLANK **Lab ID: 5089046006** Collected: 10/28/13 08:00 Received: 10/29/13 09:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	5.0	1		11/08/13 20:46	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/08/13 20:46	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/08/13 20:46	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/08/13 20:46	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/08/13 20:46	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/08/13 20:46	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/08/13 20:46	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/08/13 20:46	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/08/13 20:46	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/08/13 20:46	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/08/13 20:46	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/08/13 20:46	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/08/13 20:46	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/08/13 20:46	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/08/13 20:46	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/08/13 20:46	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/08/13 20:46	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Sample: TRIP BLANK **Lab ID: 5089046006** Collected: 10/28/13 08:00 Received: 10/29/13 09:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/08/13 20:46	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	108-88-3	
Trichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/08/13 20:46	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/08/13 20:46	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/08/13 20:46	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/08/13 20:46	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 20:46	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/08/13 20:46	110-57-6	
Surrogates									
Dibromofluoromethane (S)	103	%.	79-116		1		11/08/13 20:46	1868-53-7	
4-Bromofluorobenzene (S)	106	%.	80-114		1		11/08/13 20:46	460-00-4	
Toluene-d8 (S)	100	%.	81-110		1		11/08/13 20:46	2037-26-5	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

QC Batch: GCV/17333 Analysis Method: EPA 8015 Mod Pur
QC Batch Method: EPA 8015 Mod Pur Analysis Description: 8015 GRO 5035
Associated Lab Samples: 5089046001, 5089046002, 5089046003, 5089046004

METHOD BLANK: 1007285 Matrix: Solid
Associated Lab Samples: 5089046001, 5089046002, 5089046003, 5089046004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C12)	mg/kg	ND	1.0	11/04/13 23:15	
4-Bromofluorobenzene (S)	%.	89	38-163	11/04/13 23:15	

LABORATORY CONTROL SAMPLE: 1007286

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C12)	mg/kg	10	9.3	93	75-139	
4-Bromofluorobenzene (S)	%.			101	38-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1007287 1007288

Parameter	Units	5089246008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C06-C12)	mg/kg	ND	11.1	11.1	8.4	7.8	75	70	10-151	7	20	
4-Bromofluorobenzene (S)	%.						105	106	38-163		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

QC Batch: MERP/5013
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 5089046005

METHOD BLANK: 1007442 Matrix: Water
Associated Lab Samples: 5089046005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00067	11/06/13 14:47	

LABORATORY CONTROL SAMPLE: 1007443

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.005	0.0050	100	80-120	

MATRIX SPIKE SAMPLE: 1007444

Parameter	Units	5089046005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	ND	.005	0.0051	100	75-125	

MATRIX SPIKE SAMPLE: 1007445

Parameter	Units	5089111007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	ND	.005	0.0052	102	75-125	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

QC Batch: MERP/5005 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 5089046001, 5089046002, 5089046003, 5089046004

METHOD BLANK: 1006119 Matrix: Solid
Associated Lab Samples: 5089046001, 5089046002, 5089046003, 5089046004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.20	11/05/13 10:38	

LABORATORY CONTROL SAMPLE: 1006120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.49	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006121 1006122

Parameter	Units	5089136003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	.77	.71	0.82	0.72	101	97	75-125	13	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006123 1006124

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.21J	.53	.52	0.74	0.82	99	118	75-125	10	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

QC Batch: MPRP/12354 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5089046001, 5089046002, 5089046003, 5089046004

METHOD BLANK: 1004867 Matrix: Solid
Associated Lab Samples: 5089046001, 5089046002, 5089046003, 5089046004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	50.0	10/31/13 08:48	
Antimony	mg/kg	ND	2.0	10/31/13 08:48	
Arsenic	mg/kg	ND	2.0	10/31/13 08:48	
Barium	mg/kg	ND	2.0	10/31/13 08:48	
Beryllium	mg/kg	ND	0.50	10/31/13 08:48	
Cadmium	mg/kg	ND	2.0	10/31/13 08:48	
Chromium	mg/kg	ND	2.0	10/31/13 08:48	
Cobalt	mg/kg	ND	2.0	10/31/13 08:48	
Copper	mg/kg	ND	2.0	10/31/13 08:48	
Lead	mg/kg	ND	2.0	10/31/13 08:48	
Nickel	mg/kg	ND	2.0	10/31/13 08:48	
Selenium	mg/kg	ND	2.0	10/31/13 08:48	
Silver	mg/kg	ND	2.0	10/31/13 08:48	
Thallium	mg/kg	ND	2.0	10/31/13 08:48	
Vanadium	mg/kg	ND	2.0	10/31/13 08:48	
Zinc	mg/kg	ND	2.0	10/31/13 08:48	

LABORATORY CONTROL SAMPLE: 1004868

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	520	104	80-120	
Antimony	mg/kg	50	51.0	102	80-120	
Arsenic	mg/kg	50	52.7	105	80-120	
Barium	mg/kg	50	51.5	103	80-120	
Beryllium	mg/kg	50	49.8	100	80-120	
Cadmium	mg/kg	50	50.2	100	80-120	
Chromium	mg/kg	50	51.6	103	80-120	
Cobalt	mg/kg	50	51.0	102	80-120	
Copper	mg/kg	50	50.8	102	80-120	
Lead	mg/kg	50	50.6	101	80-120	
Nickel	mg/kg	50	52.2	104	80-120	
Selenium	mg/kg	50	50.8	102	80-120	
Silver	mg/kg	25	26.9	108	80-120	
Thallium	mg/kg	50	50.6	101	80-120	
Vanadium	mg/kg	50	52.4	105	80-120	
Zinc	mg/kg	50	52.2	104	80-120	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1004869 1004870

Parameter	Units	30106107001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/kg	12800	517	559	15400	16700	502	688	75-125	8	20	P6
Antimony	mg/kg	ND	51.7	55.9	11.8	12.6	23	22	75-125	7	20	M3
Arsenic	mg/kg	9.8	51.7	55.9	60.3	62.6	98	94	75-125	4	20	
Barium	mg/kg	190	51.7	55.9	154	185	-69	-8	75-125	18	20	M3
Beryllium	mg/kg	1.5	51.7	55.9	44.4	46.4	83	80	75-125	4	20	
Cadmium	mg/kg	ND	51.7	55.9	47.2	48.8	91	87	75-125	3	20	
Chromium	mg/kg	12.6	51.7	55.9	60.9	63.0	94	90	75-125	3	20	
Cobalt	mg/kg	7.4	51.7	55.9	48.9	50.9	80	78	75-125	4	20	
Copper	mg/kg	21.2	51.7	55.9	67.2	69.2	89	86	75-125	3	20	
Lead	mg/kg	14.5	51.7	55.9	64.8	64.1	97	89	75-125	1	20	
Nickel	mg/kg	17.7	51.7	55.9	59.8	62.6	82	80	75-125	5	20	
Selenium	mg/kg	ND	51.7	55.9	45.8	47.2	89	84	75-125	3	20	
Silver	mg/kg	ND	25.9	28	24.8	25.8	96	92	75-125	4	20	
Thallium	mg/kg	ND	51.7	55.9	37.2	39.1	72	70	75-125	5	20	M3
Vanadium	mg/kg	16.8	51.7	55.9	68.1	73.1	99	101	75-125	7	20	
Zinc	mg/kg	39.5	51.7	55.9	87.8	86.6	94	84	75-125	1	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

QC Batch: MPRP/12380
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 5089046005

METHOD BLANK: 1007516 Matrix: Water
Associated Lab Samples: 5089046005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.010	11/06/13 11:22	
Barium	mg/L	0.012J	0.50	11/06/13 11:22	
Cadmium	mg/L	ND	0.0050	11/06/13 11:22	
Chromium	mg/L	ND	0.010	11/06/13 11:22	
Lead	mg/L	ND	0.010	11/06/13 11:22	
Selenium	mg/L	ND	0.010	11/06/13 11:22	
Silver	mg/L	ND	0.050	11/06/13 11:22	

LABORATORY CONTROL SAMPLE: 1007517

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	1	1.0	104	80-120	
Barium	mg/L	1	0.99	99	80-120	
Cadmium	mg/L	1	0.99	99	80-120	
Chromium	mg/L	1	0.92	92	80-120	
Lead	mg/L	1	0.93	93	80-120	
Selenium	mg/L	1	1.0	102	80-120	
Silver	mg/L	.5	0.51	102	80-120	

MATRIX SPIKE SAMPLE: 1007518

Parameter	Units	5089046005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.0054J	1	1.1	107	50-150	
Barium	mg/L	0.67	1	1.6	97	50-150	
Cadmium	mg/L	0.0039J	1	1.0	103	50-150	
Chromium	mg/L	ND	1	0.95	95	50-150	
Lead	mg/L	0.091	1	1.0	92	50-150	
Selenium	mg/L	ND	1	1.1	107	50-150	
Silver	mg/L	ND	.5	0.56	112	50-150	

MATRIX SPIKE SAMPLE: 1007519

Parameter	Units	5089111007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.013	1	1.1	108	50-150	
Barium	mg/L	0.56	1	1.6	101	50-150	
Cadmium	mg/L	0.0031J	1	1.0	103	50-150	
Chromium	mg/L	0.014	1	0.94	93	50-150	
Lead	mg/L	0.060	1	0.99	93	50-150	

REPORT OF LABORATORY ANALYSIS

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(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

MATRIX SPIKE SAMPLE: 1007519

Parameter	Units	5089111007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	ND	1	1.1	107	50-150	
Silver	mg/L	ND	.5	0.54	108	50-150	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

QC Batch: MSV/59157
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 5089046005

METHOD BLANK: 1010131 Matrix: Water
Associated Lab Samples: 5089046005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	50.0	11/11/13 12:47	
1,2-Dichloroethane	ug/L	ND	50.0	11/11/13 12:47	
2-Butanone (MEK)	ug/L	ND	1000	11/11/13 12:47	
Benzene	ug/L	ND	50.0	11/11/13 12:47	
Carbon tetrachloride	ug/L	ND	50.0	11/11/13 12:47	
Chlorobenzene	ug/L	ND	50.0	11/11/13 12:47	
Chloroform	ug/L	ND	50.0	11/11/13 12:47	
Tetrachloroethene	ug/L	ND	50.0	11/11/13 12:47	
Trichloroethene	ug/L	ND	50.0	11/11/13 12:47	
Vinyl chloride	ug/L	ND	20.0	11/11/13 12:47	
4-Bromofluorobenzene (S)	%.	108	80-114	11/11/13 12:47	
Dibromofluoromethane (S)	%.	110	79-116	11/11/13 12:47	
Toluene-d8 (S)	%.	96	81-110	11/11/13 12:47	

LABORATORY CONTROL SAMPLE: 1010132

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	500	409	82	68-127	
1,2-Dichloroethane	ug/L	500	464	93	75-128	
2-Butanone (MEK)	ug/L	2500	2900	116	58-139	
Benzene	ug/L	500	442	88	74-122	
Carbon tetrachloride	ug/L	500	462	92	56-137	
Chlorobenzene	ug/L	500	520	104	78-123	
Chloroform	ug/L	500	470	94	78-126	
Tetrachloroethene	ug/L	500	511	102	69-130	
Trichloroethene	ug/L	500	489	98	76-126	
Vinyl chloride	ug/L	500	371	74	59-126	
4-Bromofluorobenzene (S)	%.			94	80-114	
Dibromofluoromethane (S)	%.			95	79-116	
Toluene-d8 (S)	%.			107	81-110	

MATRIX SPIKE SAMPLE: 1010133

Parameter	Units	5089046005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	500	473	95	55-145	
1,2-Dichloroethane	ug/L	ND	500	505	101	62-138	
2-Butanone (MEK)	ug/L	ND	2500	2490	100	37-156	
Benzene	ug/L	ND	500	475	95	62-129	
Carbon tetrachloride	ug/L	ND	500	509	102	46-142	
Chlorobenzene	ug/L	ND	500	514	103	49-136	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

MATRIX SPIKE SAMPLE: 1010133

Parameter	Units	5089046005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	ND	500	510	102	54-150	
Tetrachloroethene	ug/L	ND	500	479	96	33-151	
Trichloroethene	ug/L	ND	500	515	103	50-143	
Vinyl chloride	ug/L	ND	500	420	84	44-145	
4-Bromofluorobenzene (S)	%.				90	80-114	
Dibromofluoromethane (S)	%.				95	79-116	
Toluene-d8 (S)	%.				104	81-110	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

QC Batch: MSV/59143 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5089046006

METHOD BLANK: 1010052 Matrix: Water
Associated Lab Samples: 5089046006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/08/13 15:43	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/08/13 15:43	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/08/13 15:43	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/08/13 15:43	
1,1-Dichloroethane	ug/L	ND	5.0	11/08/13 15:43	
1,1-Dichloroethene	ug/L	ND	5.0	11/08/13 15:43	
1,1-Dichloropropene	ug/L	ND	5.0	11/08/13 15:43	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/08/13 15:43	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/08/13 15:43	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/08/13 15:43	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/08/13 15:43	
1,2-Dichloroethane	ug/L	ND	5.0	11/08/13 15:43	
1,2-Dichloropropane	ug/L	ND	5.0	11/08/13 15:43	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/08/13 15:43	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/08/13 15:43	
1,3-Dichloropropane	ug/L	ND	5.0	11/08/13 15:43	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/08/13 15:43	
2,2-Dichloropropane	ug/L	ND	5.0	11/08/13 15:43	
2-Butanone (MEK)	ug/L	ND	25.0	11/08/13 15:43	
2-Chlorotoluene	ug/L	ND	5.0	11/08/13 15:43	
2-Hexanone	ug/L	ND	25.0	11/08/13 15:43	
4-Chlorotoluene	ug/L	ND	5.0	11/08/13 15:43	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/08/13 15:43	
Acetone	ug/L	ND	100	11/08/13 15:43	
Acrolein	ug/L	ND	50.0	11/08/13 15:43	
Benzene	ug/L	ND	5.0	11/08/13 15:43	
Bromobenzene	ug/L	ND	5.0	11/08/13 15:43	
Bromochloromethane	ug/L	ND	5.0	11/08/13 15:43	
Bromodichloromethane	ug/L	ND	5.0	11/08/13 15:43	
Bromoform	ug/L	ND	5.0	11/08/13 15:43	
Bromomethane	ug/L	ND	5.0	11/08/13 15:43	
Carbon disulfide	ug/L	ND	10.0	11/08/13 15:43	
Carbon tetrachloride	ug/L	ND	5.0	11/08/13 15:43	
Chlorobenzene	ug/L	ND	5.0	11/08/13 15:43	
Chloroethane	ug/L	ND	5.0	11/08/13 15:43	
Chloroform	ug/L	ND	5.0	11/08/13 15:43	
Chloromethane	ug/L	ND	5.0	11/08/13 15:43	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/08/13 15:43	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/08/13 15:43	
Dibromochloromethane	ug/L	ND	5.0	11/08/13 15:43	
Dibromomethane	ug/L	ND	5.0	11/08/13 15:43	
Dichlorodifluoromethane	ug/L	ND	5.0	11/08/13 15:43	
Ethyl methacrylate	ug/L	ND	100	11/08/13 15:43	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

METHOD BLANK: 1010052 Matrix: Water

Associated Lab Samples: 5089046006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	5.0	11/08/13 15:43	
Iodomethane	ug/L	ND	10.0	11/08/13 15:43	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/08/13 15:43	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/08/13 15:43	
Methylene Chloride	ug/L	ND	5.0	11/08/13 15:43	
n-Butylbenzene	ug/L	ND	5.0	11/08/13 15:43	
n-Hexane	ug/L	ND	5.0	11/08/13 15:43	N2
n-Propylbenzene	ug/L	ND	5.0	11/08/13 15:43	
p-Isopropyltoluene	ug/L	ND	5.0	11/08/13 15:43	
sec-Butylbenzene	ug/L	ND	5.0	11/08/13 15:43	
Styrene	ug/L	ND	5.0	11/08/13 15:43	
tert-Butylbenzene	ug/L	ND	5.0	11/08/13 15:43	
Tetrachloroethene	ug/L	ND	5.0	11/08/13 15:43	
Toluene	ug/L	ND	5.0	11/08/13 15:43	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/08/13 15:43	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/08/13 15:43	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/08/13 15:43	
Trichloroethene	ug/L	ND	5.0	11/08/13 15:43	
Trichlorofluoromethane	ug/L	ND	5.0	11/08/13 15:43	
Vinyl acetate	ug/L	ND	50.0	11/08/13 15:43	
Vinyl chloride	ug/L	ND	2.0	11/08/13 15:43	
Xylene (Total)	ug/L	ND	10.0	11/08/13 15:43	
4-Bromofluorobenzene (S)	%.	103	80-114	11/08/13 15:43	
Dibromofluoromethane (S)	%.	101	79-116	11/08/13 15:43	
Toluene-d8 (S)	%.	97	81-110	11/08/13 15:43	

LABORATORY CONTROL SAMPLE: 1010053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.3	101	61-135	
1,1,1-Trichloroethane	ug/L	50	47.5	95	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	47.4	95	66-126	
1,1,2-Trichloroethane	ug/L	50	55.2	110	77-130	
1,1-Dichloroethane	ug/L	50	43.1	86	75-130	
1,1-Dichloroethene	ug/L	50	38.7	77	68-127	
1,1-Dichloropropene	ug/L	50	53.5	107	78-130	
1,2,3-Trichlorobenzene	ug/L	50	46.0	92	70-130	
1,2,4-Trichlorobenzene	ug/L	50	49.5	99	68-131	
1,2,4-Trimethylbenzene	ug/L	50	50.9	102	69-127	
1,2-Dichlorobenzene	ug/L	50	49.4	99	75-123	
1,2-Dichloroethane	ug/L	50	48.8	98	75-128	
1,2-Dichloropropane	ug/L	50	54.7	109	74-121	
1,3,5-Trimethylbenzene	ug/L	50	51.6	103	70-126	
1,3-Dichlorobenzene	ug/L	50	48.8	98	74-122	
1,3-Dichloropropane	ug/L	50	55.2	110	74-123	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

LABORATORY CONTROL SAMPLE: 1010053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	48.3	97	76-120	
2,2-Dichloropropane	ug/L	50	45.9	92	50-137	
2-Butanone (MEK)	ug/L	250	241	97	58-139	
2-Chlorotoluene	ug/L	50	49.8	100	74-122	
2-Hexanone	ug/L	250	267	107	54-140	
4-Chlorotoluene	ug/L	50	52.3	105	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	282	113	58-138	
Acetone	ug/L	250	269	108	49-150	
Acrolein	ug/L	1000	1270	127	41-200	
Benzene	ug/L	50	47.0	94	74-122	
Bromobenzene	ug/L	50	48.2	96	72-127	
Bromochloromethane	ug/L	50	42.2	84	63-132	
Bromodichloromethane	ug/L	50	52.1	104	62-136	
Bromoform	ug/L	50	43.1	86	44-134	
Bromomethane	ug/L	50	48.0	96	22-181	
Carbon disulfide	ug/L	100	79.4	79	59-132	
Carbon tetrachloride	ug/L	50	44.2	88	56-137	
Chlorobenzene	ug/L	50	50.2	100	78-123	
Chloroethane	ug/L	50	49.8	100	60-144	
Chloroform	ug/L	50	45.1	90	78-126	
Chloromethane	ug/L	50	37.6	75	42-134	
cis-1,2-Dichloroethene	ug/L	50	44.5	89	75-122	
cis-1,3-Dichloropropene	ug/L	50	48.8	98	64-126	
Dibromochloromethane	ug/L	50	46.9	94	58-128	
Dibromomethane	ug/L	50	47.9	96	73-125	
Dichlorodifluoromethane	ug/L	50	29.6	59	35-181	
Ethyl methacrylate	ug/L	200	224	112	69-133	
Ethylbenzene	ug/L	50	50.5	101	66-133	
Iodomethane	ug/L	100	91.6	92	21-170	
Isopropylbenzene (Cumene)	ug/L	50	52.7	105	69-124	
Methyl-tert-butyl ether	ug/L	100	92.8	93	69-122	
Methylene Chloride	ug/L	50	48.6	97	68-132	
n-Butylbenzene	ug/L	50	50.2	100	70-126	
n-Hexane	ug/L	50	46.8	94	51-125	N2
n-Propylbenzene	ug/L	50	51.5	103	71-122	
p-Isopropyltoluene	ug/L	50	51.7	103	72-132	
sec-Butylbenzene	ug/L	50	51.4	103	70-128	
Styrene	ug/L	50	51.6	103	74-126	
tert-Butylbenzene	ug/L	50	41.4	83	51-118	
Tetrachloroethene	ug/L	50	52.4	105	69-130	
Toluene	ug/L	50	49.2	98	72-122	
trans-1,2-Dichloroethene	ug/L	50	41.7	83	72-124	
trans-1,3-Dichloropropene	ug/L	50	50.3	101	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	250	125	56-133	
Trichloroethene	ug/L	50	49.9	100	76-126	
Trichlorofluoromethane	ug/L	50	49.7	99	76-149	
Vinyl acetate	ug/L	200	221	111	45-151	
Vinyl chloride	ug/L	50	45.6	91	59-126	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

LABORATORY CONTROL SAMPLE: 1010053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	155	103	70-124	
4-Bromofluorobenzene (S)	%.			101	80-114	
Dibromofluoromethane (S)	%.			91	79-116	
Toluene-d8 (S)	%.			104	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010054 1010055

Parameter	Units	5089190004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	56.2	55.7	112	111	50-132	1	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	54.2	53.9	108	108	60-138	1	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	54.6	55.1	109	110	55-128	1	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	61.3	60.7	123	121	61-139	1	20	
1,1-Dichloroethane	ug/L	ND	50	50	49.1	50.4	98	101	57-147	2	20	
1,1-Dichloroethene	ug/L	ND	50	50	42.5	41.7	85	83	55-145	2	20	
1,1-Dichloropropene	ug/L	ND	50	50	57.7	58.1	115	116	55-147	1	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	45.5	48.3	91	97	31-141	6	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	45.2	49.6	90	99	25-143	9	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	50.8	52.6	102	105	18-149	3	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	51.2	52.5	102	105	38-136	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	56.0	54.5	112	109	62-138	3	20	
1,2-Dichloropropane	ug/L	ND	50	50	61.3	61.5	123	123	59-130	0	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	51.1	52.4	102	105	20-147	3	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	50.1	52.1	100	104	28-141	4	20	
1,3-Dichloropropane	ug/L	ND	50	50	61.3	61.3	123	123	62-127	0	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	48.7	50.2	97	100	30-139	3	20	
2,2-Dichloropropane	ug/L	ND	50	50	50.5	50.2	101	100	37-139	1	20	
2-Butanone (MEK)	ug/L	ND	250	250	298	286	119	114	37-156	4	20	
2-Chlorotoluene	ug/L	ND	50	50	53.6	55.1	107	110	27-142	3	20	
2-Hexanone	ug/L	ND	250	250	313	311	125	124	44-143	1	20	
4-Chlorotoluene	ug/L	ND	50	50	53.8	54.0	108	108	27-144	0	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	336	310	135	124	46-144	8	20	
Acetone	ug/L	ND	250	250	289	275	116	110	39-156	5	20	
Acrolein	ug/L	ND	1000	1000	1440	1420	144	142	33-200	1	20	
Benzene	ug/L	ND	50	50	51.9	51.3	104	103	62-129	1	20	
Bromobenzene	ug/L	ND	50	50	50.9	50.9	102	102	39-140	0	20	
Bromochloromethane	ug/L	ND	50	50	53.0	52.3	106	105	49-142	1	20	
Bromodichloromethane	ug/L	ND	50	50	56.3	57.2	113	114	50-142	2	20	
Bromoform	ug/L	ND	50	50	48.3	48.7	97	97	36-125	1	20	
Bromomethane	ug/L	ND	50	50	50.0	48.4	100	97	13-179	3	20	
Carbon disulfide	ug/L	ND	100	100	85.2	86.9	85	87	45-142	2	20	
Carbon tetrachloride	ug/L	ND	50	50	48.3	48.6	97	97	46-142	1	20	
Chlorobenzene	ug/L	ND	50	50	52.5	53.2	105	106	49-136	1	20	
Chloroethane	ug/L	ND	50	50	50.4	51.5	101	103	47-160	2	20	
Chloroform	ug/L	ND	50	50	53.3	51.8	107	104	54-150	3	20	
Chloromethane	ug/L	ND	50	50	35.9	37.2	72	74	30-148	4	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	52.4	51.3	105	103	60-135	2	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010054 1010055

Parameter	Units	5089190004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	ug/L	ND	50	50	51.3	50.8	103	102	52-123	1	20	
Dibromochloromethane	ug/L	ND	50	50	52.1	50.9	104	102	48-125	2	20	
Dibromomethane	ug/L	ND	50	50	55.0	52.6	110	105	59-134	5	20	
Dichlorodifluoromethane	ug/L	ND	50	50	29.1	30.4	58	61	24-197	4	20	
Ethyl methacrylate	ug/L	ND	200	200	254	255	127	127	55-139	0	20	
Ethylbenzene	ug/L	ND	50	50	53.2	53.6	106	107	28-153	1	20	
Iodomethane	ug/L	ND	100	100	89.7	94.0	90	94	17-157	5	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	54.5	56.2	109	112	18-152	3	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	107	111	107	111	63-130	3	20	
Methylene Chloride	ug/L	ND	50	50	42.7	44.4	85	89	45-156	4	20	
n-Butylbenzene	ug/L	ND	50	50	49.4	51.0	99	102	10-161	3	20	
n-Hexane	ug/L	ND	50	50	51.7	55.3	103	111	33-144	7	20	N2
n-Propylbenzene	ug/L	ND	50	50	53.1	55.0	106	110	16-150	4	20	
p-Isopropyltoluene	ug/L	ND	50	50	51.8	53.1	104	106	10-163	2	20	
sec-Butylbenzene	ug/L	ND	50	50	52.7	54.6	105	109	10-160	4	20	
Styrene	ug/L	ND	50	50	51.0	50.8	102	102	36-139	0	20	
tert-Butylbenzene	ug/L	ND	50	50	44.0	44.8	88	90	12-134	2	20	
Tetrachloroethene	ug/L	ND	50	50	54.0	53.7	108	107	33-151	1	20	
Toluene	ug/L	ND	50	50	53.3	54.2	107	108	50-132	2	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	44.3	47.8	89	96	40-153	8	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	52.2	53.5	104	107	48-122	2	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	279	272	140	136	32-139	2	20	M0
Trichloroethene	ug/L	ND	50	50	53.7	53.0	107	106	50-143	1	20	
Trichlorofluoromethane	ug/L	ND	50	50	48.9	48.1	98	96	60-175	2	20	
Vinyl acetate	ug/L	ND	200	200	227	232	113	116	17-142	2	20	
Vinyl chloride	ug/L	ND	50	50	44.6	44.4	89	89	44-145	0	20	
Xylene (Total)	ug/L	ND	150	150	163	163	109	109	29-145	0	20	
4-Bromofluorobenzene (S)	%.						100	100	80-114			
Dibromofluoromethane (S)	%.						96	94	79-116			
Toluene-d8 (S)	%.						104	104	81-110			

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

QC Batch: MSV/59140 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5089046001, 5089046002, 5089046003, 5089046004

METHOD BLANK: 1010037 Matrix: Solid
Associated Lab Samples: 5089046001, 5089046002, 5089046003, 5089046004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	11/08/13 15:24	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	11/08/13 15:24	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	11/08/13 15:24	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	11/08/13 15:24	
1,1-Dichloroethane	mg/kg	ND	0.0050	11/08/13 15:24	
1,1-Dichloroethene	mg/kg	ND	0.0050	11/08/13 15:24	
1,1-Dichloropropene	mg/kg	ND	0.0050	11/08/13 15:24	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	11/08/13 15:24	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	11/08/13 15:24	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	11/08/13 15:24	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 15:24	
1,2-Dichloroethane	mg/kg	ND	0.0050	11/08/13 15:24	
1,2-Dichloropropane	mg/kg	ND	0.0050	11/08/13 15:24	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	11/08/13 15:24	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 15:24	
1,3-Dichloropropane	mg/kg	ND	0.0050	11/08/13 15:24	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 15:24	
2,2-Dichloropropane	mg/kg	ND	0.0050	11/08/13 15:24	
2-Butanone (MEK)	mg/kg	ND	0.025	11/08/13 15:24	
2-Chlorotoluene	mg/kg	ND	0.0050	11/08/13 15:24	
2-Hexanone	mg/kg	ND	0.10	11/08/13 15:24	
4-Chlorotoluene	mg/kg	ND	0.0050	11/08/13 15:24	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	11/08/13 15:24	
Acetone	mg/kg	ND	0.10	11/08/13 15:24	
Acrolein	mg/kg	ND	0.10	11/08/13 15:24	
Benzene	mg/kg	ND	0.0050	11/08/13 15:24	
Bromobenzene	mg/kg	ND	0.0050	11/08/13 15:24	
Bromochloromethane	mg/kg	ND	0.0050	11/08/13 15:24	
Bromodichloromethane	mg/kg	ND	0.0050	11/08/13 15:24	
Bromoform	mg/kg	ND	0.0050	11/08/13 15:24	
Bromomethane	mg/kg	ND	0.0050	11/08/13 15:24	
Carbon disulfide	mg/kg	ND	0.010	11/08/13 15:24	
Carbon tetrachloride	mg/kg	ND	0.0050	11/08/13 15:24	
Chlorobenzene	mg/kg	ND	0.0050	11/08/13 15:24	
Chloroethane	mg/kg	ND	0.0050	11/08/13 15:24	
Chloroform	mg/kg	ND	0.0050	11/08/13 15:24	
Chloromethane	mg/kg	ND	0.0050	11/08/13 15:24	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	11/08/13 15:24	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	11/08/13 15:24	
Dibromochloromethane	mg/kg	ND	0.0050	11/08/13 15:24	
Dibromomethane	mg/kg	ND	0.0050	11/08/13 15:24	
Dichlorodifluoromethane	mg/kg	ND	0.0050	11/08/13 15:24	
Ethyl methacrylate	mg/kg	ND	0.10	11/08/13 15:24	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

METHOD BLANK: 1010037 Matrix: Solid

Associated Lab Samples: 5089046001, 5089046002, 5089046003, 5089046004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/kg	ND	0.0050	11/08/13 15:24	
Iodomethane	mg/kg	ND	0.10	11/08/13 15:24	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	11/08/13 15:24	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	11/08/13 15:24	
Methylene Chloride	mg/kg	0.012J	0.020	11/08/13 15:24	
n-Butylbenzene	mg/kg	ND	0.0050	11/08/13 15:24	
n-Hexane	mg/kg	ND	0.0050	11/08/13 15:24	N2
n-Propylbenzene	mg/kg	ND	0.0050	11/08/13 15:24	
p-Isopropyltoluene	mg/kg	ND	0.0050	11/08/13 15:24	
sec-Butylbenzene	mg/kg	ND	0.0050	11/08/13 15:24	
Styrene	mg/kg	ND	0.0050	11/08/13 15:24	
tert-Butylbenzene	mg/kg	ND	0.0050	11/08/13 15:24	
Tetrachloroethene	mg/kg	ND	0.0050	11/08/13 15:24	
Toluene	mg/kg	ND	0.0050	11/08/13 15:24	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	11/08/13 15:24	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	11/08/13 15:24	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	11/08/13 15:24	
Trichloroethene	mg/kg	ND	0.0050	11/08/13 15:24	
Trichlorofluoromethane	mg/kg	ND	0.0050	11/08/13 15:24	
Vinyl acetate	mg/kg	ND	0.10	11/08/13 15:24	
Vinyl chloride	mg/kg	ND	0.0050	11/08/13 15:24	
Xylene (Total)	mg/kg	ND	0.010	11/08/13 15:24	
4-Bromofluorobenzene (S)	%.	109	56-144	11/08/13 15:24	
Dibromofluoromethane (S)	%.	108	85-118	11/08/13 15:24	
Toluene-d8 (S)	%.	99	71-128	11/08/13 15:24	

LABORATORY CONTROL SAMPLE: 1010038

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.05	0.053	105	62-123	
1,1,1-Trichloroethane	mg/kg	.05	0.049	99	70-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.051	101	65-124	
1,1,2-Trichloroethane	mg/kg	.05	0.055	109	74-129	
1,1-Dichloroethane	mg/kg	.05	0.047	95	73-130	
1,1-Dichloroethene	mg/kg	.05	0.043	86	66-126	
1,1-Dichloropropene	mg/kg	.05	0.053	105	78-125	
1,2,3-Trichlorobenzene	mg/kg	.05	0.056	112	66-131	
1,2,4-Trichlorobenzene	mg/kg	.05	0.061	123	68-129	
1,2,4-Trimethylbenzene	mg/kg	.05	0.045	90	67-126	
1,2-Dichlorobenzene	mg/kg	.05	0.046	92	73-122	
1,2-Dichloroethane	mg/kg	.05	0.049	98	73-127	
1,2-Dichloropropane	mg/kg	.05	0.055	111	75-118	
1,3,5-Trimethylbenzene	mg/kg	.05	0.045	90	65-127	
1,3-Dichlorobenzene	mg/kg	.05	0.050	99	73-121	
1,3-Dichloropropane	mg/kg	.05	0.062	125	72-121	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

LABORATORY CONTROL SAMPLE: 1010038

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/kg	.05	0.051	103	75-119	
2,2-Dichloropropane	mg/kg	.05	0.055	110	63-122	
2-Butanone (MEK)	mg/kg	.25	0.27	110	59-139	
2-Chlorotoluene	mg/kg	.05	0.054	109	72-121	
2-Hexanone	mg/kg	.25	0.28	112	56-139	
4-Chlorotoluene	mg/kg	.05	0.056	111	75-123	
4-Methyl-2-pentanone (MIBK)	mg/kg	.25	0.28	113	63-136	
Acetone	mg/kg	.25	0.32	128	46-156	
Acrolein	mg/kg	1	1.3	130	47-200	
Benzene	mg/kg	.05	0.048	97	74-119	
Bromobenzene	mg/kg	.05	0.053	107	69-129	
Bromochloromethane	mg/kg	.05	0.054	107	67-129	
Bromodichloromethane	mg/kg	.05	0.057	113	68-121	
Bromoform	mg/kg	.05	0.049	97	49-124	
Bromomethane	mg/kg	.05	0.042	84	44-142	
Carbon disulfide	mg/kg	.1	0.086	86	61-129	
Carbon tetrachloride	mg/kg	.05	0.050	99	58-127	
Chlorobenzene	mg/kg	.05	0.053	107	77-122	
Chloroethane	mg/kg	.05	0.046	93	59-141	
Chloroform	mg/kg	.05	0.049	98	75-124	
Chloromethane	mg/kg	.05	0.039	77	46-133	
cis-1,2-Dichloroethene	mg/kg	.05	0.047	94	72-122	
cis-1,3-Dichloropropene	mg/kg	.05	0.051	102	68-115	
Dibromochloromethane	mg/kg	.05	0.057	114	60-121	
Dibromomethane	mg/kg	.05	0.052	104	72-124	
Dichlorodifluoromethane	mg/kg	.05	0.027	53	26-186	
Ethyl methacrylate	mg/kg	.2	0.24	122	63-130	
Ethylbenzene	mg/kg	.05	0.049	98	72-123	
Iodomethane	mg/kg	.1	0.085J	85	38-149	
Isopropylbenzene (Cumene)	mg/kg	.05	0.046	93	65-123	
Methyl-tert-butyl ether	mg/kg	.1	0.10	105	68-120	
Methylene Chloride	mg/kg	.05	0.060	121	57-142	
n-Butylbenzene	mg/kg	.05	0.045	90	68-125	
n-Hexane	mg/kg	.05	0.050	100	57-117	N2
n-Propylbenzene	mg/kg	.05	0.051	102	68-122	
p-Isopropyltoluene	mg/kg	.05	0.046	91	66-133	
sec-Butylbenzene	mg/kg	.05	0.045	89	64-131	
Styrene	mg/kg	.05	0.052	104	70-126	
tert-Butylbenzene	mg/kg	.05	0.036	72	46-124	
Tetrachloroethene	mg/kg	.05	0.052	103	72-126	
Toluene	mg/kg	.05	0.051	103	71-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.048	95	69-123	
trans-1,3-Dichloropropene	mg/kg	.05	0.054	108	66-114	
trans-1,4-Dichloro-2-butene	mg/kg	.2	0.25	125	61-124	L3
Trichloroethene	mg/kg	.05	0.051	103	74-123	
Trichlorofluoromethane	mg/kg	.05	0.050	100	72-146	
Vinyl acetate	mg/kg	.2	0.22	109	57-131	
Vinyl chloride	mg/kg	.05	0.040	80	55-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

LABORATORY CONTROL SAMPLE: 1010038

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	mg/kg	.15	0.15	100	66-124	
4-Bromofluorobenzene (S)	%.			95	56-144	
Dibromofluoromethane (S)	%.			92	85-118	
Toluene-d8 (S)	%.			105	71-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

QC Batch: OEXT/34239 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 3546 Analysis Description: EPA 8015 TPH Ohio
Associated Lab Samples: 5089046001, 5089046002, 5089046003, 5089046004

METHOD BLANK: 1004686 Matrix: Solid
Associated Lab Samples: 5089046001, 5089046002, 5089046003, 5089046004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	ND	20.0	10/31/13 11:44	
TPH (C10-C20)	mg/kg	ND	10.0	10/31/13 11:44	
TPH (C20-C34)	mg/kg	ND	10.0	10/31/13 11:44	
n-Pentacosane (S)	%.	83	30-153	10/31/13 11:44	

LABORATORY CONTROL SAMPLE: 1004687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	83.3	57.6	69	43-88	
n-Pentacosane (S)	%.			83	30-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1004688 1004689

Parameter	Units	5089046002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/kg	34.4	91.5	91.8	96.0	194	67	174	10-136	68	20	M0,R1
n-Pentacosane (S)	%.						159	186	30-153		20	2d

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

QC Batch: OEXT/34241 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 5089046001, 5089046002, 5089046003, 5089046004

METHOD BLANK: 1004692 Matrix: Solid
Associated Lab Samples: 5089046001, 5089046002, 5089046003, 5089046004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	100	11/01/13 14:02	
PCB-1221 (Aroclor 1221)	ug/kg	ND	100	11/01/13 14:02	
PCB-1232 (Aroclor 1232)	ug/kg	ND	100	11/01/13 14:02	
PCB-1242 (Aroclor 1242)	ug/kg	ND	100	11/01/13 14:02	
PCB-1248 (Aroclor 1248)	ug/kg	ND	100	11/01/13 14:02	
PCB-1254 (Aroclor 1254)	ug/kg	ND	100	11/01/13 14:02	
PCB-1260 (Aroclor 1260)	ug/kg	ND	100	11/01/13 14:02	
Tetrachloro-m-xylene (S)	%.	67	30-106	11/01/13 14:02	

LABORATORY CONTROL SAMPLE: 1004693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	138	83	42-100	
PCB-1260 (Aroclor 1260)	ug/kg	167	138	83	40-106	
Tetrachloro-m-xylene (S)	%.			79	30-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1004694 1004695

Parameter	Units	5088949001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	189	191	ND	ND	114	118	10-145	5	20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	189	191	ND	ND	90	96	16-132		20	
Tetrachloro-m-xylene (S)	%.						59	56	30-106		20	D3

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

QC Batch: OEXT/34236 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
Associated Lab Samples: 5089046001, 5089046002, 5089046003

METHOD BLANK: 1004618 Matrix: Solid
Associated Lab Samples: 5089046001, 5089046002, 5089046003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/kg	ND	330	11/01/13 08:45	
2,4,6-Trichlorophenol	ug/kg	ND	330	11/01/13 08:45	
2,4-Dichlorophenol	ug/kg	ND	330	11/01/13 08:45	
2,4-Dimethylphenol	ug/kg	ND	330	11/01/13 08:45	
2,4-Dinitrophenol	ug/kg	ND	1600	11/01/13 08:45	
2,4-Dinitrotoluene	ug/kg	ND	330	11/01/13 08:45	
2,6-Dinitrotoluene	ug/kg	ND	330	11/01/13 08:45	
2-Chloronaphthalene	ug/kg	ND	330	11/01/13 08:45	
2-Chlorophenol	ug/kg	ND	330	11/01/13 08:45	
2-Methylnaphthalene	ug/kg	ND	330	11/01/13 08:45	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	11/01/13 08:45	
2-Nitroaniline	ug/kg	ND	1600	11/01/13 08:45	
2-Nitrophenol	ug/kg	ND	330	11/01/13 08:45	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	660	11/01/13 08:45	
3-Nitroaniline	ug/kg	ND	1600	11/01/13 08:45	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1600	11/01/13 08:45	
4-Bromophenylphenyl ether	ug/kg	ND	330	11/01/13 08:45	
4-Chloro-3-methylphenol	ug/kg	ND	660	11/01/13 08:45	
4-Chloroaniline	ug/kg	ND	660	11/01/13 08:45	
4-Chlorophenylphenyl ether	ug/kg	ND	330	11/01/13 08:45	
4-Nitroaniline	ug/kg	ND	1600	11/01/13 08:45	
4-Nitrophenol	ug/kg	ND	1600	11/01/13 08:45	
Acenaphthene	ug/kg	ND	330	11/01/13 08:45	
Acenaphthylene	ug/kg	ND	330	11/01/13 08:45	
Anthracene	ug/kg	ND	330	11/01/13 08:45	
Benzo(a)anthracene	ug/kg	ND	330	11/01/13 08:45	
Benzo(a)pyrene	ug/kg	ND	170	11/01/13 08:45	
Benzo(b)fluoranthene	ug/kg	ND	330	11/01/13 08:45	
Benzo(g,h,i)perylene	ug/kg	ND	330	11/01/13 08:45	
Benzo(k)fluoranthene	ug/kg	ND	330	11/01/13 08:45	
Benzyl alcohol	ug/kg	ND	660	11/01/13 08:45	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	11/01/13 08:45	
bis(2-Chloroethyl) ether	ug/kg	ND	330	11/01/13 08:45	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	11/01/13 08:45	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	11/01/13 08:45	
Butylbenzylphthalate	ug/kg	ND	330	11/01/13 08:45	
Chrysene	ug/kg	ND	330	11/01/13 08:45	
Di-n-butylphthalate	ug/kg	ND	330	11/01/13 08:45	
Di-n-octylphthalate	ug/kg	ND	330	11/01/13 08:45	
Dibenz(a,h)anthracene	ug/kg	ND	170	11/01/13 08:45	
Dibenzofuran	ug/kg	ND	330	11/01/13 08:45	
Diethylphthalate	ug/kg	ND	330	11/01/13 08:45	
Dimethylphthalate	ug/kg	ND	330	11/01/13 08:45	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

METHOD BLANK: 1004618 Matrix: Solid

Associated Lab Samples: 5089046001, 5089046002, 5089046003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoranthene	ug/kg	ND	330	11/01/13 08:45	
Fluorene	ug/kg	ND	330	11/01/13 08:45	
Hexachlorocyclopentadiene	ug/kg	ND	330	11/01/13 08:45	
Hexachloroethane	ug/kg	ND	330	11/01/13 08:45	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	11/01/13 08:45	
Isophorone	ug/kg	ND	330	11/01/13 08:45	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	11/01/13 08:45	
N-Nitrosodiphenylamine	ug/kg	ND	330	11/01/13 08:45	
Naphthalene	ug/kg	ND	330	11/01/13 08:45	
Nitrobenzene	ug/kg	ND	330	11/01/13 08:45	
Phenanthrene	ug/kg	ND	330	11/01/13 08:45	
Phenol	ug/kg	ND	330	11/01/13 08:45	
Pyrene	ug/kg	ND	330	11/01/13 08:45	
2,4,6-Tribromophenol (S)	%.	78	16-122	11/01/13 08:45	
2-Fluorobiphenyl (S)	%.	72	31-94	11/01/13 08:45	
2-Fluorophenol (S)	%.	76	24-104	11/01/13 08:45	
Nitrobenzene-d5 (S)	%.	66	28-101	11/01/13 08:45	
p-Terphenyl-d14 (S)	%.	92	26-110	11/01/13 08:45	
Phenol-d5 (S)	%.	67	28-101	11/01/13 08:45	

LABORATORY CONTROL SAMPLE: 1004619

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	3330	2290	69	39-103	
2-Chlorophenol	ug/kg	3330	2050	61	38-96	
2-Methylnaphthalene	ug/kg	3330	2170	65	36-94	
4-Chloro-3-methylphenol	ug/kg	3330	2040	61	38-104	
4-Nitrophenol	ug/kg	3330	1960	59	34-104	
Acenaphthene	ug/kg	3330	2350	71	43-99	
Acenaphthylene	ug/kg	3330	2420	73	42-101	
Anthracene	ug/kg	3330	2480	74	46-107	
Benzo(a)anthracene	ug/kg	3330	2670	80	45-108	
Benzo(a)pyrene	ug/kg	3330	2720	82	47-113	
Benzo(b)fluoranthene	ug/kg	3330	2530	76	41-110	
Benzo(g,h,i)perylene	ug/kg	3330	2760	83	42-112	
Benzo(k)fluoranthene	ug/kg	3330	2380	71	44-107	
Chrysene	ug/kg	3330	2570	77	43-103	
Dibenz(a,h)anthracene	ug/kg	3330	2920	88	43-110	
Fluoranthene	ug/kg	3330	2590	78	45-105	
Fluorene	ug/kg	3330	2350	71	42-103	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	2110	63	43-111	
N-Nitroso-di-n-propylamine	ug/kg	3330	1970	59	37-96	
Naphthalene	ug/kg	3330	2130	64	44-100	
Phenanthrene	ug/kg	3330	2470	74	44-104	
Phenol	ug/kg	3330	2070	62	37-101	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

LABORATORY CONTROL SAMPLE: 1004619

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	3330	2550	77	44-105	
2,4,6-Tribromophenol (S)	%.			81	16-122	
2-Fluorobiphenyl (S)	%.			71	31-94	
2-Fluorophenol (S)	%.			75	24-104	
Nitrobenzene-d5 (S)	%.			67	28-101	
p-Terphenyl-d14 (S)	%.			90	26-110	
Phenol-d5 (S)	%.			70	28-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1004620 1004621

Parameter	Units	5088909018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/kg	ND	4990	4990	3290	3160	66	63	15-102	4	20	
2-Chlorophenol	ug/kg	ND	4990	4990	3110	2970	62	59	22-96	5	20	
2-Methylnaphthalene	ug/kg	ND	4990	4990	3320	3200	65	63	14-107	4	20	
4-Chloro-3-methylphenol	ug/kg	ND	4990	4990	3260	3170	65	64	21-105	3	20	
4-Nitrophenol	ug/kg	ND	4990	4990	3270	3440	66	69	12-107	5	20	
Acenaphthene	ug/kg	ND	4990	4990	3630	3380	69	64	19-110	7	20	
Acenaphthylene	ug/kg	ND	4990	4990	3520	3250	67	62	21-106	8	20	
Anthracene	ug/kg	0.61 mg/kg	4990	4990	3920	3350	66	55	22-112	16	20	
Benzo(a)anthracene	ug/kg	1.4 mg/kg	4990	4990	4450	3510	60	41	13-116	24	20	R1
Benzo(a)pyrene	ug/kg	1.4 mg/kg	4990	4990	4160	3420	55	40	11-119	20	20	
Benzo(b)fluoranthene	ug/kg	2.0 mg/kg	4990	4990	4480	3370	50	28	10-126	28	20	R1
Benzo(g,h,i)perylene	ug/kg	0.72 mg/kg	4990	4990	3310	2730	52	40	10-114	19	20	
Benzo(k)fluoranthene	ug/kg	0.69 mg/kg	4990	4990	3370	2990	54	46	10-117	12	20	
Chrysene	ug/kg	1.6 mg/kg	4990	4990	4370	3770	55	43	14-107	15	20	
Dibenz(a,h)anthracene	ug/kg	0.26 mg/kg	4990	4990	2830	2700	51	49	10-119	5	20	
Fluoranthene	ug/kg	2.6 mg/kg	4990	4990	5720	4680	62	42	17-110	20	20	
Fluorene	ug/kg	0.25J mg/kg	4990	4990	3740	3420	70	63	17-115	9	20	
Indeno(1,2,3-cd)pyrene	ug/kg	0.77 mg/kg	4990	4990	3510	2890	55	42	11-111	19	20	
N-Nitroso-di-n-propylamine	ug/kg	ND	4990	4990	3540	3370	71	67	18-103	5	20	
Naphthalene	ug/kg	ND	4990	4990	3300	3100	62	58	16-102	6	20	
Phenanthrene	ug/kg	1.9 mg/kg	4990	4990	4860	4550	59	53	10-128	7	20	
Phenol	ug/kg	ND	4990	4990	3220	3050	64	61	22-97	5	20	
Pyrene	ug/kg	2.2 mg/kg	4990	4990	5240	4270	61	42	10-123	20	20	
2,4,6-Tribromophenol (S)	%.						72	71	16-122			
2-Fluorobiphenyl (S)	%.						65	63	31-94			

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1004620 1004621

Parameter	Units	5088909018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Fluorophenol (S)	%.						69	68	24-104			
Nitrobenzene-d5 (S)	%.						65	66	26-98			
p-Terphenyl-d14 (S)	%.						78	73	26-110			
Phenol-d5 (S)	%.						73	69	28-101			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1004622 1004623

Parameter	Units	5088909019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/kg	ND	5910	5910	ND	ND	34	44	15-102		20	
2-Chlorophenol	ug/kg	ND	5910	5910	3330J	3080J	56	52	22-96		20	
2-Methylnaphthalene	ug/kg	ND	5910	5910	3740J	3670J	61	60	14-107		20	
4-Chloro-3-methylphenol	ug/kg	ND	5910	5910	ND	ND	59	50	21-105		20	
4-Nitrophenol	ug/kg	ND	5910	5910	ND	ND	38	38	12-107		20	
Acenaphthene	ug/kg	ND	5910	5910	4430J	4990J	75	84	19-110		20	
Acenaphthylene	ug/kg	4.4 mg/kg	5910	5910	12400	16800	134	210	21-106	30	20	M0,R1
Anthracene	ug/kg	5.7 mg/kg	5910	5910	11500	18500	98	218	22-112	47	20	M0,R1
Benzo(a)anthracene	ug/kg	16.1 mg/kg	5910	5910	43400	55700	462	668	13-116	25	20	M0,R1
Benzo(a)pyrene	ug/kg	20.6 mg/kg	5910	5910	50800	71100	509	853	11-119	33	20	M0,R1
Benzo(b)fluoranthene	ug/kg	28.7 mg/kg	5910	5910	83600	142000	927	1910	10-126	52	20	E,M0,R1
Benzo(g,h,i)perylene	ug/kg	10.5 mg/kg	5910	5910	30500	41300	339	522	10-114	30	20	M0,R1
Benzo(k)fluoranthene	ug/kg	12.3 mg/kg	5910	5910	32900	117000	348	1770	10-117	112	20	M0,R1
Chrysene	ug/kg	23.5 mg/kg	5910	5910	50900	78200	464	925	14-107	42	20	M0,R1
Dibenz(a,h)anthracene	ug/kg	5.2 mg/kg	5910	5910	16200	20400	186	256	10-119	23	20	M0,R1
Fluoranthene	ug/kg	15.1 mg/kg	5910	5910	48900	55900	571	690	17-110	13	20	M0
Fluorene	ug/kg	0.91 mg/kg	5910	5910	4470J	5150J	60	72	17-115		20	
Indeno(1,2,3-cd)pyrene	ug/kg	11.7 mg/kg	5910	5910	30400	42500	317	521	11-111	33	20	M0,R1
N-Nitroso-di-n-propylamine	ug/kg	ND	5910	5910	3440J	3180J	58	54	18-103		20	
Naphthalene	ug/kg	0.50J mg/kg	5910	5910	4130J	4070J	61	60	16-102		20	
Phenanthrene	ug/kg	3.3 mg/kg	5910	5910	5810J	7580	43	73	10-128		20	
Phenol	ug/kg	ND	5910	5910	3490J	3160J	59	53	22-97		20	1d
Pyrene	ug/kg	17.9 mg/kg	5910	5910	54100	68100	613	849	10-123	23	20	M0,R1
2,4,6-Tribromophenol (S)	%.						65	60	16-122			
2-Fluorobiphenyl (S)	%.						59	60	31-94			
2-Fluorophenol (S)	%.						69	64	24-104			

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1004622 1004623

Parameter	Units	5088909019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrobenzene-d5 (S)	%.						55	56	26-98			
p-Terphenyl-d14 (S)	%.						72	71	26-110			
Phenol-d5 (S)	%.						62	58	28-101			

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

QC Batch: OEXT/34253
QC Batch Method: EPA 3546
Analysis Method: EPA 8270
Analysis Description: 8270 Solid MSSV Microwave Short Spike
Associated Lab Samples: 5089046004

METHOD BLANK: 1005398
Matrix: Solid
Associated Lab Samples: 5089046004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/kg	ND	330	10/31/13 19:18	
2,4,6-Trichlorophenol	ug/kg	ND	330	10/31/13 19:18	
2,4-Dichlorophenol	ug/kg	ND	330	10/31/13 19:18	
2,4-Dimethylphenol	ug/kg	ND	330	10/31/13 19:18	
2,4-Dinitrophenol	ug/kg	ND	1600	10/31/13 19:18	
2,4-Dinitrotoluene	ug/kg	ND	330	10/31/13 19:18	
2,6-Dinitrotoluene	ug/kg	ND	330	10/31/13 19:18	
2-Chloronaphthalene	ug/kg	ND	330	10/31/13 19:18	
2-Chlorophenol	ug/kg	ND	330	10/31/13 19:18	
2-Methylnaphthalene	ug/kg	ND	330	10/31/13 19:18	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	10/31/13 19:18	
2-Nitroaniline	ug/kg	ND	1600	10/31/13 19:18	
2-Nitrophenol	ug/kg	ND	330	10/31/13 19:18	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	660	10/31/13 19:18	
3-Nitroaniline	ug/kg	ND	1600	10/31/13 19:18	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1600	10/31/13 19:18	
4-Bromophenylphenyl ether	ug/kg	ND	330	10/31/13 19:18	
4-Chloro-3-methylphenol	ug/kg	ND	660	10/31/13 19:18	
4-Chloroaniline	ug/kg	ND	660	10/31/13 19:18	
4-Chlorophenylphenyl ether	ug/kg	ND	330	10/31/13 19:18	
4-Nitroaniline	ug/kg	ND	1600	10/31/13 19:18	
4-Nitrophenol	ug/kg	ND	1600	10/31/13 19:18	
Acenaphthene	ug/kg	ND	330	10/31/13 19:18	
Acenaphthylene	ug/kg	ND	330	10/31/13 19:18	
Anthracene	ug/kg	ND	330	10/31/13 19:18	
Benzo(a)anthracene	ug/kg	ND	330	10/31/13 19:18	
Benzo(a)pyrene	ug/kg	ND	170	10/31/13 19:18	
Benzo(b)fluoranthene	ug/kg	ND	330	10/31/13 19:18	
Benzo(g,h,i)perylene	ug/kg	ND	330	10/31/13 19:18	
Benzo(k)fluoranthene	ug/kg	ND	330	10/31/13 19:18	
Benzyl alcohol	ug/kg	ND	660	10/31/13 19:18	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	10/31/13 19:18	
bis(2-Chloroethyl) ether	ug/kg	ND	330	10/31/13 19:18	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	10/31/13 19:18	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	10/31/13 19:18	
Butylbenzylphthalate	ug/kg	ND	330	10/31/13 19:18	
Chrysene	ug/kg	ND	330	10/31/13 19:18	
Di-n-butylphthalate	ug/kg	ND	330	10/31/13 19:18	
Di-n-octylphthalate	ug/kg	ND	330	10/31/13 19:18	
Dibenz(a,h)anthracene	ug/kg	ND	170	10/31/13 19:18	
Dibenzofuran	ug/kg	ND	330	10/31/13 19:18	
Diethylphthalate	ug/kg	ND	330	10/31/13 19:18	
Dimethylphthalate	ug/kg	ND	330	10/31/13 19:18	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

METHOD BLANK: 1005398 Matrix: Solid

Associated Lab Samples: 5089046004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoranthene	ug/kg	ND	330	10/31/13 19:18	
Fluorene	ug/kg	ND	330	10/31/13 19:18	
Hexachlorocyclopentadiene	ug/kg	ND	330	10/31/13 19:18	
Hexachloroethane	ug/kg	ND	330	10/31/13 19:18	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	10/31/13 19:18	
Isophorone	ug/kg	ND	330	10/31/13 19:18	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	10/31/13 19:18	
N-Nitrosodiphenylamine	ug/kg	ND	330	10/31/13 19:18	
Naphthalene	ug/kg	ND	330	10/31/13 19:18	
Nitrobenzene	ug/kg	ND	330	10/31/13 19:18	
Phenanthrene	ug/kg	ND	330	10/31/13 19:18	
Phenol	ug/kg	ND	330	10/31/13 19:18	
Pyrene	ug/kg	ND	330	10/31/13 19:18	
2,4,6-Tribromophenol (S)	%.	73	16-122	10/31/13 19:18	
2-Fluorobiphenyl (S)	%.	54	31-94	10/31/13 19:18	
2-Fluorophenol (S)	%.	61	24-104	10/31/13 19:18	
Nitrobenzene-d5 (S)	%.	52	28-101	10/31/13 19:18	
p-Terphenyl-d14 (S)	%.	89	26-110	10/31/13 19:18	
Phenol-d5 (S)	%.	54	28-101	10/31/13 19:18	

LABORATORY CONTROL SAMPLE: 1005399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	3330	2570	77	39-103	
2-Chlorophenol	ug/kg	3330	1870	56	38-96	
2-Methylnaphthalene	ug/kg	3330	2030	61	36-94	
4-Chloro-3-methylphenol	ug/kg	3330	2180	66	38-104	
4-Nitrophenol	ug/kg	3330	2150	64	34-104	
Acenaphthene	ug/kg	3330	2160	65	43-99	
Acenaphthylene	ug/kg	3330	2160	65	42-101	
Anthracene	ug/kg	3330	2420	73	46-107	
Benzo(a)anthracene	ug/kg	3330	2500	75	45-108	
Benzo(a)pyrene	ug/kg	3330	2590	78	47-113	
Benzo(b)fluoranthene	ug/kg	3330	2430	73	41-110	
Benzo(g,h,i)perylene	ug/kg	3330	2200	66	42-112	
Benzo(k)fluoranthene	ug/kg	3330	2460	74	44-107	
Chrysene	ug/kg	3330	2460	74	43-103	
Dibenz(a,h)anthracene	ug/kg	3330	2410	72	43-110	
Fluoranthene	ug/kg	3330	2660	80	45-105	
Fluorene	ug/kg	3330	2370	71	42-103	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	2300	69	43-111	
N-Nitroso-di-n-propylamine	ug/kg	3330	1970	59	37-96	
Naphthalene	ug/kg	3330	1790	54	44-100	
Phenanthrene	ug/kg	3330	2370	71	44-104	
Phenol	ug/kg	3330	2000	60	37-101	

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(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

LABORATORY CONTROL SAMPLE: 1005399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	3330	2660	80	44-105	
2,4,6-Tribromophenol (S)	%.			80	16-122	
2-Fluorobiphenyl (S)	%.			62	31-94	
2-Fluorophenol (S)	%.			68	24-104	
Nitrobenzene-d5 (S)	%.			59	28-101	
p-Terphenyl-d14 (S)	%.			99	26-110	
Phenol-d5 (S)	%.			70	28-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1005400 1005401

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/kg	ND	3420	3400	2030	1940	59	57	15-102	4	20	
2-Chlorophenol	ug/kg	ND	3420	3400	1740	1660	51	49	22-96	5	20	
2-Methylnaphthalene	ug/kg	ND	3420	3400	1640	1970	44	54	14-107	19	20	
4-Chloro-3-methylphenol	ug/kg	ND	3420	3400	1820	1900	53	56	21-105	4	20	
4-Nitrophenol	ug/kg	ND	3420	3400	1670	1710	49	50	12-107	2	20	
Acenaphthene	ug/kg	ND	3420	3400	2060	2040	57	56	19-110	1	20	
Acenaphthylene	ug/kg	ND	3420	3400	1940	1950	54	54	21-106	1	20	
Anthracene	ug/kg	480	3420	3400	2160	2190	49	50	22-112	2	20	
Benzo(a)anthracene	ug/kg	661	3420	3400	2240	2270	46	47	13-116	1	20	
Benzo(a)pyrene	ug/kg	558	3420	3400	2230	2220	49	49	11-119	1	20	
Benzo(b)fluoranthene	ug/kg	685	3420	3400	2440	2130	51	42	10-126	14	20	
Benzo(g,h,i)perylene	ug/kg	300J	3420	3400	2030	2010	51	50	10-114	1	20	
Benzo(k)fluoranthene	ug/kg	290J	3420	3400	1890	2050	47	52	10-117	8	20	
Chrysene	ug/kg	703	3420	3400	2310	2280	47	46	14-107	1	20	
Dibenz(a,h)anthracene	ug/kg	ND	3420	3400	1960	1920	55	54	10-119	2	20	
Fluoranthene	ug/kg	1710	3420	3400	2580	2760	25	31	17-110	7	20	
Fluorene	ug/kg	206J	3420	3400	2210	2200	59	58	17-115	1	20	
Indeno(1,2,3-cd)pyrene	ug/kg	337J	3420	3400	2140	2000	53	49	11-111	7	20	
N-Nitroso-di-n-propylamine	ug/kg	ND	3420	3400	1970	1830	58	54	18-103	7	20	
Naphthalene	ug/kg	174J	3420	3400	1790	1780	47	47	16-102	0	20	
Phenanthrene	ug/kg	1710	3420	3400	2540	2600	24	26	10-128	2	20	
Phenol	ug/kg	ND	3420	3400	1810	1690	53	50	22-97	7	20	
Pyrene	ug/kg	1330	3420	3400	2510	2610	34	38	10-123	4	20	
2,4,6-Tribromophenol (S)	%.						58	60	16-122			
2-Fluorobiphenyl (S)	%.						55	56	31-94			
2-Fluorophenol (S)	%.						55	55	24-104			
Nitrobenzene-d5 (S)	%.						52	52	26-98			
p-Terphenyl-d14 (S)	%.						75	75	26-110			
Phenol-d5 (S)	%.						57	57	28-101			

REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
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(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

QC Batch: OEXT/34304
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 TCLP MSSV
Associated Lab Samples: 5089046005

METHOD BLANK: 1007575 Matrix: Water
Associated Lab Samples: 5089046005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	11/05/13 19:00	
2,4,5-Trichlorophenol	ug/L	ND	500	11/05/13 19:00	
2,4,6-Trichlorophenol	ug/L	ND	100	11/05/13 19:00	
2,4-Dinitrotoluene	ug/L	ND	100	11/05/13 19:00	
2-Methylphenol(o-Cresol)	ug/L	ND	100	11/05/13 19:00	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	200	11/05/13 19:00	
Hexachloro-1,3-butadiene	ug/L	ND	100	11/05/13 19:00	
Hexachlorobenzene	ug/L	ND	100	11/05/13 19:00	
Hexachloroethane	ug/L	ND	100	11/05/13 19:00	
Nitrobenzene	ug/L	ND	100	11/05/13 19:00	
Pentachlorophenol	ug/L	ND	500	11/05/13 19:00	
Pyridine	ug/L	ND	100	11/05/13 19:00	
2,4,6-Tribromophenol (S)	%.	99	31-161	11/05/13 19:00	
2-Fluorobiphenyl (S)	%.	84	31-118	11/05/13 19:00	
2-Fluorophenol (S)	%.	43	10-67	11/05/13 19:00	
Nitrobenzene-d5 (S)	%.	80	29-126	11/05/13 19:00	
p-Terphenyl-d14 (S)	%.	96	28-129	11/05/13 19:00	
Phenol-d5 (S)	%.	22	10-47	11/05/13 19:00	

LABORATORY CONTROL SAMPLE: 1007576

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	1000	594	59	29-102	
2,4,5-Trichlorophenol	ug/L	1000	750	75	42-125	
2,4,6-Trichlorophenol	ug/L	1000	720	72	44-122	
2,4-Dinitrotoluene	ug/L	1000	625	63	36-126	
2-Methylphenol(o-Cresol)	ug/L	1000	510	51	30-85	
3&4-Methylphenol(m&p Cresol)	ug/L	2000	894	45	22-76	
Hexachloro-1,3-butadiene	ug/L	1000	602	60	26-102	
Hexachlorobenzene	ug/L	1000	562	56	36-115	
Hexachloroethane	ug/L	1000	462	46	24-101	
Nitrobenzene	ug/L	1000	703	70	36-114	
Pentachlorophenol	ug/L	1000	755	75	31-125	
Pyridine	ug/L	1000	104	10	10-41	
2,4,6-Tribromophenol (S)	%.			79	31-161	
2-Fluorobiphenyl (S)	%.			67	31-118	
2-Fluorophenol (S)	%.			38	10-67	
Nitrobenzene-d5 (S)	%.			68	29-126	
p-Terphenyl-d14 (S)	%.			77	28-129	
Phenol-d5 (S)	%.			20	10-47	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

MATRIX SPIKE SAMPLE: 1007577

Parameter	Units	5089046005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	1000	594	59	39-91	
2,4,5-Trichlorophenol	ug/L	ND	1000	794	79	41-125	
2,4,6-Trichlorophenol	ug/L	ND	1000	755	76	42-120	
2,4-Dinitrotoluene	ug/L	ND	1000	719	72	34-124	
2-Methylphenol(o-Cresol)	ug/L	ND	1000	497	50	21-101	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2000	859	43	10-104	
Hexachloro-1,3-butadiene	ug/L	ND	1000	595	59	36-97	
Hexachlorobenzene	ug/L	ND	1000	603	60	37-115	
Hexachloroethane	ug/L	ND	1000	452	45	31-93	
Nitrobenzene	ug/L	ND	1000	670	67	42-114	
Pentachlorophenol	ug/L	ND	1000	876	88	30-128	
Pyridine	ug/L	ND	1000	ND	6	10-46	M0
2,4,6-Tribromophenol (S)	%.				87	31-161	
2-Fluorobiphenyl (S)	%.				66	31-118	
2-Fluorophenol (S)	%.				37	10-67	
Nitrobenzene-d5 (S)	%.				67	29-126	
p-Terphenyl-d14 (S)	%.				76	28-129	
Phenol-d5 (S)	%.				20	10-47	

MATRIX SPIKE SAMPLE: 1007578

Parameter	Units	5089111007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	1000	610	61	39-91	
2,4,5-Trichlorophenol	ug/L	ND	1000	791	79	41-125	
2,4,6-Trichlorophenol	ug/L	ND	1000	739	74	42-120	
2,4-Dinitrotoluene	ug/L	ND	1000	696	70	34-124	
2-Methylphenol(o-Cresol)	ug/L	ND	1000	517	52	21-101	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2000	899	45	10-104	
Hexachloro-1,3-butadiene	ug/L	ND	1000	598	60	36-97	
Hexachlorobenzene	ug/L	ND	1000	616	62	37-115	
Hexachloroethane	ug/L	ND	1000	464	46	31-93	
Nitrobenzene	ug/L	ND	1000	912	91	42-114	
Pentachlorophenol	ug/L	ND	1000	836	84	30-128	
Pyridine	ug/L	ND	1000	118	12	10-46	
2,4,6-Tribromophenol (S)	%.				88	31-161	
2-Fluorobiphenyl (S)	%.				68	31-118	
2-Fluorophenol (S)	%.				37	10-67	
Nitrobenzene-d5 (S)	%.				71	29-126	
p-Terphenyl-d14 (S)	%.				82	28-129	
Phenol-d5 (S)	%.				20	10-47	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

QC Batch: PMST/8890 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5089046001, 5089046002, 5089046003, 5089046004

SAMPLE DUPLICATE: 1005587

Parameter	Units	5089041001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.8	13.4	4	5	

SAMPLE DUPLICATE: 1005588

Parameter	Units	5089046004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.7	6.1	8	5	R1

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

QC Batch: WET/13622
QC Batch Method: EPA 9045
Analysis Method: EPA 9045
Analysis Description: 9045 pH
Associated Lab Samples: 5089046002

SAMPLE DUPLICATE: 1004833

Parameter	Units	5089041003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.8	3	20	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Due to the viscosity of the extract, it was run at 10x. KES 11-6-13
2d	The surrogate recovery exceeds the upper limit due to significant contribution from the target analyte. CEM 11/01/13
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

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METHOD CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Parameter	Matrix	Analytical Method	Preparation Method
6010 MET ICP	Solid	SW-846 6010B	SW-846 3050B
7471 Mercury	Solid	SW-846 7471A	SW-846 7471A
8015 GRO 5035	Solid	SW-846 8015B	SW-846 5035A
8015 Gasoline Range Organics	Solid	SW-846 8015A	SW-846 5030A
8015 TPH Ohio Microwave	Solid	SW-846 8015B	SW-846 3546
8082 GCS PCB	Solid	SW-846 8082	SW-846 3546
8260 MSV	Water	SW-846 8260B	SW-846 5030B
8260 MSV 5035A VOA	Solid	SW-846 8260B	SW-846 5035A
8260 MSV UST	Water	SW-846 8260B	SW-846 5030B
8270 MSSV SHORT LIST MICROWAVE	Solid	SW-846 8270C	SW-846 3546

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089046

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089046001	**FAW-SB01(0-2)102813**	EPA 3546	OEXT/34239	EPA 8015 Mod Ext	GCSV/11662
5089046002	**FAW-SB01(2-4)102813**	EPA 3546	OEXT/34239	EPA 8015 Mod Ext	GCSV/11662
5089046003	**FAW-SB01(8-10)102813**	EPA 3546	OEXT/34239	EPA 8015 Mod Ext	GCSV/11662
5089046004	**FAW-SB01(23-25)102814**	EPA 3546	OEXT/34239	EPA 8015 Mod Ext	GCSV/11662
5089046001	**FAW-SB01(0-2)102813**	EPA 3546	OEXT/34241	EPA 8082	GCSV/11671
5089046002	**FAW-SB01(2-4)102813**	EPA 3546	OEXT/34241	EPA 8082	GCSV/11671
5089046003	**FAW-SB01(8-10)102813**	EPA 3546	OEXT/34241	EPA 8082	GCSV/11671
5089046004	**FAW-SB01(23-25)102814**	EPA 3546	OEXT/34241	EPA 8082	GCSV/11671
5089046001	**FAW-SB01(0-2)102813**	EPA 8015 Mod Pur	GCV/17333		
5089046002	**FAW-SB01(2-4)102813**	EPA 8015 Mod Pur	GCV/17333		
5089046003	**FAW-SB01(8-10)102813**	EPA 8015 Mod Pur	GCV/17333		
5089046004	**FAW-SB01(23-25)102814**	EPA 8015 Mod Pur	GCV/17333		
5089046001	**FAW-SB01(0-2)102813**	EPA 3050	MPRP/12354	EPA 6010	ICP/13658
5089046002	**FAW-SB01(2-4)102813**	EPA 3050	MPRP/12354	EPA 6010	ICP/13658
5089046003	**FAW-SB01(8-10)102813**	EPA 3050	MPRP/12354	EPA 6010	ICP/13658
5089046004	**FAW-SB01(23-25)102814**	EPA 3050	MPRP/12354	EPA 6010	ICP/13658
5089046005	**FAW-IDW01-102813**	EPA 3010	MPRP/12380	EPA 6010	ICP/13722
5089046005	**FAW-IDW01-102813**	EPA 7470	MERP/5013	EPA 7470	MERC/5349
5089046001	**FAW-SB01(0-2)102813**	EPA 7471	MERP/5005	EPA 7471	MERC/5342
5089046002	**FAW-SB01(2-4)102813**	EPA 7471	MERP/5005	EPA 7471	MERC/5342
5089046003	**FAW-SB01(8-10)102813**	EPA 7471	MERP/5005	EPA 7471	MERC/5342
5089046004	**FAW-SB01(23-25)102814**	EPA 7471	MERP/5005	EPA 7471	MERC/5342
5089046001	**FAW-SB01(0-2)102813**	EPA 3546	OEXT/34236	EPA 8270	MSSV/13825
5089046002	**FAW-SB01(2-4)102813**	EPA 3546	OEXT/34236	EPA 8270	MSSV/13825
5089046003	**FAW-SB01(8-10)102813**	EPA 3546	OEXT/34236	EPA 8270	MSSV/13825
5089046004	**FAW-SB01(23-25)102814**	EPA 3546	OEXT/34253	EPA 8270	MSSV/13826
5089046005	**FAW-IDW01-102813**	EPA 3510	OEXT/34304	EPA 8270	MSSV/13871
5089046005	**FAW-IDW01-102813**	EPA 8260	MSV/59157		
5089046006	**TRIP BLANK**	EPA 8260	MSV/59143		
5089046001	**FAW-SB01(0-2)102813**	EPA 8260	MSV/59140		
5089046002	**FAW-SB01(2-4)102813**	EPA 8260	MSV/59140		
5089046003	**FAW-SB01(8-10)102813**	EPA 8260	MSV/59140		
5089046004	**FAW-SB01(23-25)102814**	EPA 8260	MSV/59140		
5089046001	**FAW-SB01(0-2)102813**	ASTM D2974-87	PMST/8890		
5089046002	**FAW-SB01(2-4)102813**	ASTM D2974-87	PMST/8890		
5089046003	**FAW-SB01(8-10)102813**	ASTM D2974-87	PMST/8890		
5089046004	**FAW-SB01(23-25)102814**	ASTM D2974-87	PMST/8890		
5089046005	**FAW-IDW01-102813**	EPA 1010	WET/13626		
5089046002	**FAW-SB01(2-4)102813**	EPA 9045	WET/13622		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1718758

Section A Required Client Information:

Company: Weston Solutions
Address: 711 E. Monument Ave
Dayton OH 45402
Email To: laura.funk@westonsolutions.com
Phone: 937-531-4402 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: laura.funk@westonsolutions.com
Copy To:
Purchase Order No.:
Project Name: FAW
Project Number: 20405.015.008.2234.00

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER Ohio VAP

Site Location STATE: OH

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: FOC	SVOC	PCB	TPHORO	Metals	pH	VOC	TPHGRO	Flashpoint	TCLP VOC, TCLP SVOC	TCLP Metals	TCLP Pesticide/Herbicide	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FAW-SB01(0-2)-102813	SL	G	10-28	0940				9									X	X	X	X	X		X	X						5089046-001
2	FAW-SB01(2-4)-102813	SL	G	10-28	0940				9										X	X	X	X	X	X	X						-002
3	FAW-SB01(8-10)-102813	SL	G	10-28	1005				8										X	X	X	X		X	X						-003
4	FAW-SB01(23-25)-102813	SL	G	10-28	1110				8										X	X	X	X		X	X						-004
5	FAW-IDW01-102813	SL	G	10-28	1425				4																	X	X	X	X		-005
6	Trip Blank																								X						-006
7																															
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
metals: Al, Sb, As, Ba, Be, Cd, Ca, Co, Cu, Pb, Mg, Ni, Se, Ag, Tl, V, Zn.	Dustin Bates	10-28-13	1515		10/28/13	1515	0.7	4	4	4

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dustin Bates

SIGNATURE of SAMPLER: Dustin Bates

DATE Signed (MM/DD/YY): 10/28/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Page 65 of 67

ORIGINAL

VOC / Lead Cyl, Master# 8033784527 60 KLe 10-29-13

0851

Sample Condition Upon Receipt

Pace Analytical

Client Name: Weston Solutions Project # 5089046

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: Master # 8033 7845 2760

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Date/Time 5035A kits placed in freezer: 10-29-13 1012

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☒ Other T.C. Kits / Ziplocks

Thermometer Used 1 2 3 4 6 A B C D (E) **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 0.7°C **Ice Visible in Sample Containers:** ☐ yes ☒ no

(Corrected, if applicable)

Temp should be above freezing to 6°C

Comments:

Date and initials of person examining contents: Lee 10-29-13

Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☑Yes	☐No	☐N/A	5. T.C. Kits
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	6.
Containers Intact:	☑Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☒N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	10.
Trip Blank Present:	☑Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	12.
Sufficient Volume:	☑Yes	☐No	☐N/A	13.
Correct Containers Used:	☑Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Kenneth Trust **Date:** 10/29/13

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: Weston Solutions

COC PAGE 1 of 1
COC ID# 1718758

Project # 50890416

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6 kits	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1			3		6											
2			3		6											
3			2		6											
4			2		8											
5			4													
6	1															
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 11, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161099
Project ID: 5089046/WESTON SOLUTION

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on October 30, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161099

Client: PASI Indianapolis

Project ID: 5089046/WESTON SOLUTION

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/11/2013 21:32:30

Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161099

Client: PASI Indianapolis

Project ID: 5089046/WESTON SOLUTION

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-SB01(0-2)102813	201138273	Soil	28-Oct-13 09:40	30-Oct-13 10:15
FAW-IDW01-102813	201138274	Soil	28-Oct-13 14:25	30-Oct-13 10:15

Project: 20161099

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

All surrogate recoveries were within QC limits.

QC Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161099

Analytical Method	Batch	Sample used for QC
EPA 8081	221071	Batch sample from another client
EPA 8151	221072	Batch sample from another client
Dry Weight Moisture	220749	Client sample FAW-MW02(0-2)-102913 from project 20161179
ASTM D2974	220430	Client sample FAW-MW01(0-2)-102813 from project 20161098

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-IDW01-102813
Project: 20161099
Project ID: 5089046/WESTON SOLUTION
Site: None
Lab ID: 201138274 (TCLP)
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: TCLP
Batch: 221071
Method: EPA 8081 (TCLP)
8081 Pests TCLP
Collected: 28-Oct-13
Received: 30-Oct-13
Prepared: 08-Nov-13

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	0.400	08-Nov-13 21:28	SLF
57-74-9	Chlordane	1	ND		0.00500	0.0300	08-Nov-13 21:28	SLF
72-20-8	Endrin	1	ND		0.00100	0.0200	08-Nov-13 21:28	SLF
76-44-8	Heptachlor	1	ND		0.000500	0.00800	08-Nov-13 21:28	SLF
1024-57-3	Heptachlor epoxide	1	ND		0.000500	0.00800	08-Nov-13 21:28	SLF
72-43-5	Methoxychlor	1	ND		0.00500	10.0	08-Nov-13 21:28	SLF
8001-35-2	Toxaphene	1	ND		0.0200	0.500	08-Nov-13 21:28	SLF

7 compound(s) reported

Protocol 11/11/2013 21:33:13

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-IDW01-102813
Project: 20161099
Project ID: 5089046/WESTON SOLUTION
Site: None
Lab ID: 201138274 (TCLP)
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: TCLP
Batch: 221072
Method: EPA 8151 (TCLP)
8151 Herbs TCLP
Collected: 28-Oct-13
Received: 30-Oct-13
Prepared: 08-Nov-13

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1	ND		0.0200	10.0	11-Nov-13 14:10	SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	1.00	11-Nov-13 14:10	SPP1

2 compound(s) reported

Protocol 11/11/2013 21:33:13

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB01(0-2)102813
Project: 20161099
Project ID: 5089046/WESTON SOLUTION
Site: None
Lab ID: 201138273
Matrix: Soil
%Moisture: 9.3 Not Corrected
Description: None

Collected: 28-Oct-13
Received: 30-Oct-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220430	1	3.75		% (w/w)	0.100	31-Oct-13	31-Oct-13 09:41 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Surrogate Recovery

Batch: 221071 **Project:** 20161099

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201141648	221071 BLANK 1		70	71	43	46				
201141649	221071 LCS 1		69	68	43	44				
201138274	FAW-IDW01-102813		82	80	66	69				
201141650	WELL SAMPLE MS 1		74	72	49	49				
201141651	WELL SAMPLE MSD 1		84	82	50	49				
	QC limits:		10-137	10-137	18-119	18-119				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Pace Analytical Services, Inc.
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(504) 469-0333

Surrogate Recovery

Batch: 221072 **Project:** 20161099

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201141652	221072 BLANK 1		67	65						
201141653	221072 LCS 1		77	77						
201138274	FAW-IDW01-102813		68	67						
201141654	WELL SAMPLE MS 1		68	64						
201141655	WELL SAMPLE MSD 1		71	68						
	QC limits:		10-166	10-166						

Sur 1: 2,4-DCPA (Conf)(S)
Sur 2: 2,4-DCPA (S)

*** denotes surrogate recovery outside of QC limits.**

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Batch: 221071 **Project:** 20161099 **LCS:** 201141649 08-Nov-13 20:32

Method: TCLP GC Semivolatile Organics **MS:** 201141650 08-Nov-13 21:00

Units: mg/L **MSD:** 201141651 08-Nov-13 21:14

Original for MS: Batch Sample 201139478

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
gamma-BHC (Lindane)	0.00500	0.00357	71	0.00500		0.00384	0.00430	77	86	11	28-128	17-149	20	
Endrin	0.00500	0.00353	71	0.00500		0.00380	0.00427	76	86	12	20-153	22-160	20	
Heptachlor	0.00500	0.00230	46	0.00500		0.00288	0.00269	58	54	7	10-115	10-134	20	
Heptachlor epoxide	0.00500	0.00353	71	0.00500		0.00378	0.00414	76	83	9	30-119	13-147	20	
Methoxychlor	0.00500	0.00339	68	0.00500		0.00352	0.00390	70	78	10	21-150	17-166	20	

5 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

QC Protocol 11/11/2013 21:33:18

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 221072 **Project:** 20161099 **LCS:** 201141653 11-Nov-13 13:06

Method: TCLP GC Semivolatile Organics **MS:** 201141654 11-Nov-13 13:38

Units: mg/L **MSD:** 201141655 11-Nov-13 13:54

Original for MS: Batch Sample 201139478

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
2,4-D	0.0400	0.0334	84	0.0400		0.0264	0.0356	57	80	30 *	10-151	10-160	27	
2,4,5-TP (Silvex)	0.0400	0.0334	84	0.0400		0.0262	0.0331	65	83	23 *	22-158	16-164	20	

2 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 221071 BLANK 1 **Project:** 20161099

Lab ID: 201141648

Prep Level: TCLP **Batch:** 221071

Method: TCLP GC Semivolatile Organics

Prepared: 08-Nov-13

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	08-Nov-13 20:18	SLF
57-74-9	Chlordane	1	ND		0.00500	08-Nov-13 20:18	SLF
72-20-8	Endrin	1	ND		0.00100	08-Nov-13 20:18	SLF
76-44-8	Heptachlor	1	ND		0.000500	08-Nov-13 20:18	SLF
1024-57-3	Heptachlor epoxide	1	ND		0.000500	08-Nov-13 20:18	SLF
72-43-5	Methoxychlor	1	ND		0.00500	08-Nov-13 20:18	SLF
8001-35-2	Toxaphene	1	ND		0.0200	08-Nov-13 20:18	SLF

7 compound(s) reported

Protocol Blank 11/11/2013 21:33:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 221072 BLANK 1 **Project:** 20161099

Lab ID: 201141652

Prep Level: TCLP **Batch:** 221072

Method: TCLP GC Semivolatile Organics

Prepared: 08-Nov-13

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis
94-75-7	2,4-D	1	ND		0.0200	11-Nov-13 12:50 SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	11-Nov-13 12:50 SPP1

2 compound(s) reported

Protocol Blank 11/11/2013 21:33:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161099

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	220430	<0.100	% (w/w)										14			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Project: 20161099

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

Chain of Cus

20161099 PASI-IND1

20161099

Pace Analytical®
www.pacelabs.com

Workorder: 5089046 **Workorder Name:** FAW 20405.016.008.2234.00 **Owner Received Date:** 10/29/2013 **Results Requested By:** 11/11/2013

Report To	Subcontract To
Kenneth Hunt Pace Analytical Services, Inc. 7726 Moller Road Indianapolis, IN 46268 Phone (317)875-5894 Fax (317)872-6189	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: WGFU						Requested Analysis: FOC, ASTM	TCLP-PESTICIDES	TCLP-HERBICIDES										LAB USE ONLY
1	FAW-SB01(0-2)102813	PS	10/28/2013 09:40	5089046001	Solid	1						X												20113827 3
2	FAW-IDW01-102813	PS	10/28/2013 14:25	5089046005	Solid	1							X	X										274
3																								
4																								
5																								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Marcia Bennett	10/29/13 15:39	Fed Ex	
2	Fed Ex			10/30/13 10:15
3				

Comments

Cooler Temperature on Receipt 1.7 °C **Custody Seal** (Y) or N **Received on Ice** (Y) or N **Samples Intact** (Y) or N

VOA

page 18 of 19

20161099 PASI-INDI

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Conditi

Project #: 20

Courier: ☐ Pace Courier ☐ Hired Courier ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals Intact:** ☑Yes ☐No

Therometer Used: ☐ Therm Fisher IR 5 ☐ Therm Fisher IR 6 ☑ Therm Fisher IR 7

Type of Ice: (Wet) Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10-30-15 J

Temp must be measured from Temperature blank when present

			Comments:
Temperature Blank Present"?	☑Yes ☐No ☐N/A	1	
Chain of Custody Present:	☑Yes ☐No ☐N/A	2	
Chain of Custody Complete:	☑Yes ☐No ☐N/A	3	
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4	
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5	
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	6	
Sufficient Volume:	☑Yes ☐No ☐N/A	7	
Correct Containers Used:	☑Yes ☐No ☐N/A	8	
Filtered vol. Rec. for Diss. tests	☐Yes ☑No ☐N/A	9	
Sample Labels match COC:	☐Yes ☐No ☐N/A	10	
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes ☐No ☐N/A	11	
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐Yes ☐No ☑N/A	12	
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	13	If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14	
Trip Blank Present:	☐Yes ☑No	15	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 15Feb2013 SCUR Form - mod

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(317)875-5894

November 12, 2013

Ms. Laura Funk
Weston Solutions
711 East Monument Ave
Dayton, OH 45402

RE: Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Dear Ms. Funk:
Enclosed are the analytical results for sample(s) received by the laboratory on October 30, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5089109001	**FAW-MW02(0-2)-102913**	Solid	10/29/13 08:25	10/30/13 10:30
5089109002	**FAW-MW02(2-4)-102913**	Solid	10/29/13 08:30	10/30/13 10:30
5089109005	**FAW-TB03-102913**	Water	10/29/13 08:00	10/30/13 10:30

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5089109001	**FAW-MW02(0-2)-102913**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	GRM	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089109002	**FAW-MW02(2-4)-102913**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	DAE, HEB	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
		EPA 9045	TPD	1	PASI-I
5089109005	**FAW-TB03-102913**	EPA 8260	DAE	68	PASI-I

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(0-2)-102913 **Lab ID: 5089109001** Collected: 10/29/13 08:25 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**55.4**	mg/kg	20.6	5.2	1	10/30/13 21:00	10/31/13 18:17		
TPH (C10-C20)	**9.5J**	mg/kg	10.3	5.2	1	10/30/13 21:00	10/31/13 18:17		
TPH (C20-C34)	**45.9**	mg/kg	10.3	5.2	1	10/30/13 21:00	10/31/13 18:17		
Surrogates									
n-Pentacosane (S)	155	%.	30-153		1	10/30/13 21:00	10/31/13 18:17	629-99-2	3d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	103	17.5	1	10/30/13 21:00	11/01/13 12:57	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	103	17.5	1	10/30/13 21:00	11/01/13 12:57	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	103	17.5	1	10/30/13 21:00	11/01/13 12:57	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	103	17.5	1	10/30/13 21:00	11/01/13 12:57	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	103	17.5	1	10/30/13 21:00	11/01/13 12:57	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	103	17.5	1	10/30/13 21:00	11/01/13 12:57	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	103	17.5	1	10/30/13 21:00	11/01/13 12:57	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	62	%.	30-106		1	10/30/13 21:00	11/01/13 12:57	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.88	0.44	1		11/07/13 13:35		
Surrogates									
4-Bromofluorobenzene (S)	99	%.	38-163		1		11/07/13 13:35	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**5570**	mg/kg	47.6	23.8	1	10/31/13 11:07	11/01/13 08:01	7429-90-5	
Antimony	**4.6**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-36-0	
Arsenic	**12.6**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-38-2	
Barium	**85.9**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-39-3	
Beryllium	**0.37J**	mg/kg	0.48	0.24	1	10/31/13 11:07	11/01/13 08:01	7440-41-7	
Cadmium	ND	mg/kg	1.9	0.48	1	10/31/13 11:07	11/01/13 08:01	7440-43-9	
Chromium	**8.2**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-47-3	
Cobalt	**4.8**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-48-4	
Copper	**29.8**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-50-8	
Lead	**159**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7439-92-1	
Nickel	**14.0**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-02-0	
Selenium	ND	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7782-49-2	
Silver	ND	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-22-4	
Thallium	ND	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-28-0	
Vanadium	**13.4**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-62-2	
Zinc	**93.9**	mg/kg	1.9	0.95	1	10/31/13 11:07	11/01/13 08:01	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.21J**	mg/kg	0.22	0.18	1	11/04/13 11:45	11/05/13 11:19	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(0-2)-102913 **Lab ID: 5089109001** Collected: 10/29/13 08:25 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	83-32-9	
Acenaphthylene	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	208-96-8	
Anthracene	**480**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	120-12-7	
Benzo(a)anthracene	**661**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	56-55-3	
Benzo(a)pyrene	**558**	ug/kg	174	169	1	10/30/13 21:00	11/01/13 22:34	50-32-8	
Benzo(b)fluoranthene	**685**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	205-99-2	
Benzo(g,h,i)perylene	**300J**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	191-24-2	
Benzo(k)fluoranthene	**290J**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	207-08-9	
Benzyl alcohol	ND	ug/kg	676	338	1	10/30/13 21:00	11/01/13 22:34	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	101-55-3	
Butylbenzylphthalate	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	676	338	1	10/30/13 21:00	11/01/13 22:34	59-50-7	
4-Chloroaniline	ND	ug/kg	676	338	1	10/30/13 21:00	11/01/13 22:34	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	108-60-1	
2-Chloronaphthalene	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	91-58-7	
2-Chlorophenol	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	7005-72-3	
Chrysene	**703**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	174	169	1	10/30/13 21:00	11/01/13 22:34	53-70-3	
Dibenzofuran	**188J**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	120-83-2	
Diethylphthalate	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	105-67-9	
Dimethylphthalate	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	131-11-3	
Di-n-butylphthalate	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1640	820	1	10/30/13 21:00	11/01/13 22:34	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1640	1640	1	10/30/13 21:00	11/01/13 22:34	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	606-20-2	
Di-n-octylphthalate	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	117-81-7	
Fluoranthene	**1710**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	206-44-0	
Fluorene	**206J**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	338	338	1	10/30/13 21:00	11/01/13 22:34	77-47-4	
Hexachloroethane	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	67-72-1	
Indeno(1,2,3-cd)pyrene	**337J**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	193-39-5	
Isophorone	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	78-59-1	
2-Methylnaphthalene	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	676	338	1	10/30/13 21:00	11/01/13 22:34		
Naphthalene	**174J**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	91-20-3	
2-Nitroaniline	ND	ug/kg	1640	820	1	10/30/13 21:00	11/01/13 22:34	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(0-2)-102913 **Lab ID: 5089109001** Collected: 10/29/13 08:25 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1640	820	1	10/30/13 21:00	11/01/13 22:34	99-09-2	
4-Nitroaniline	ND	ug/kg	1640	820	1	10/30/13 21:00	11/01/13 22:34	100-01-6	
Nitrobenzene	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	98-95-3	
2-Nitrophenol	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	88-75-5	
4-Nitrophenol	ND	ug/kg	1640	820	1	10/30/13 21:00	11/01/13 22:34	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	86-30-6	
Phenanthrene	**1710**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	85-01-8	
Phenol	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	108-95-2	
Pyrene	**1330**	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	338	169	1	10/30/13 21:00	11/01/13 22:34	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	61	%.	28-101		1	10/30/13 21:00	11/01/13 22:34	4165-60-0	
2-Fluorobiphenyl (S)	67	%.	31-94		1	10/30/13 21:00	11/01/13 22:34	321-60-8	
p-Terphenyl-d14 (S)	90	%.	26-110		1	10/30/13 21:00	11/01/13 22:34	1718-51-0	
Phenol-d5 (S)	69	%.	28-101		1	10/30/13 21:00	11/01/13 22:34	4165-62-2	
2-Fluorophenol (S)	63	%.	24-104		1	10/30/13 21:00	11/01/13 22:34	367-12-4	
2,4,6-Tribromophenol (S)	71	%.	16-122		1	10/30/13 21:00	11/01/13 22:34	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.079	0.040	1		11/08/13 04:03	67-64-1	
Acrolein	ND	mg/kg	0.079	0.040	1		11/08/13 04:03	107-02-8	
Benzene	ND	mg/kg	0.0040	0.00079	1		11/08/13 04:03	71-43-2	
Bromobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	108-86-1	
Bromochloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-27-4	
Bromoform	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-25-2	
Bromomethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.020	0.0095	1		11/08/13 04:03	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	98-06-6	
Carbon disulfide	ND	mg/kg	0.0079	0.0020	1		11/08/13 04:03	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	56-23-5	
Chlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	108-90-7	
Chloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-00-3	
Chloroform	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	67-66-3	
Chloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	124-48-1	
Dibromomethane	ND	mg/kg	0.0040	0.0025	1		11/08/13 04:03	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(0-2)-102913 **Lab ID: 5089109001** Collected: 10/29/13 08:25 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.079	0.040	1		11/08/13 04:03	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.079	0.040	1		11/08/13 04:03	97-63-2	
n-Hexane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	110-54-3	N2
2-Hexanone	ND	mg/kg	0.079	0.040	1		11/08/13 04:03	591-78-6	
Iodomethane	ND	mg/kg	0.079	0.040	1		11/08/13 04:03	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	99-87-6	
Methylene Chloride	ND	mg/kg	0.016	0.0079	1		11/08/13 04:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.020	0.0095	1		11/08/13 04:03	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0040	0.0011	1		11/08/13 04:03	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	103-65-1	
Styrene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0040	0.0015	1		11/08/13 04:03	127-18-4	
Toluene	**0.0037J**	mg/kg	0.0040	0.0020	1		11/08/13 04:03	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	79-00-5	
Trichloroethene	ND	mg/kg	0.0040	0.0013	1		11/08/13 04:03	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	108-67-8	
Vinyl acetate	ND	mg/kg	0.079	0.040	1		11/08/13 04:03	108-05-4	
Vinyl chloride	ND	mg/kg	0.0040	0.0020	1		11/08/13 04:03	75-01-4	
Xylene (Total)	ND	mg/kg	0.0079	0.0040	1		11/08/13 04:03	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	97	%.	85-118		1		11/08/13 04:03	1868-53-7	
Toluene-d8 (S)	109	%.	71-128		1		11/08/13 04:03	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(0-2)-102913 **Lab ID: 5089109001** Collected: 10/29/13 08:25 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	91	%.	56-144		1		11/08/13 04:03	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.4**	%	0.10	0.10	1		10/31/13 11:38		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(2-4)-102913 **Lab ID: 5089109002** Collected: 10/29/13 08:30 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**2560**	mg/kg	231	57.8	10	10/30/13 21:00	10/31/13 16:24		
TPH (C10-C20)	**449**	mg/kg	116	57.8	10	10/30/13 21:00	10/31/13 16:24		
TPH (C20-C34)	**2110**	mg/kg	116	57.8	10	10/30/13 21:00	10/31/13 16:24		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	10/30/13 21:00	10/31/13 16:24	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	573	286	5	10/30/13 21:00	11/01/13 13:14	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	573	286	5	10/30/13 21:00	11/01/13 13:14	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	573	286	5	10/30/13 21:00	11/01/13 13:14	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	573	286	5	10/30/13 21:00	11/01/13 13:14	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	573	286	5	10/30/13 21:00	11/01/13 13:14	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	573	286	5	10/30/13 21:00	11/01/13 13:14	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	573	286	5	10/30/13 21:00	11/01/13 13:14	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	48	%.	30-106		5	10/30/13 21:00	11/01/13 13:14	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	**398**	mg/kg	28.2	14.1	25		11/07/13 13:10		
Surrogates									
4-Bromofluorobenzene (S)	95	%.	38-163		25		11/07/13 13:10	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**10200**	mg/kg	53.8	26.9	1	10/31/13 11:07	11/01/13 08:11	7429-90-5	
Antimony	**3.1**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-36-0	
Arsenic	**13.6**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-38-2	
Barium	**598**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-39-3	
Beryllium	**0.53**	mg/kg	0.54	0.27	1	10/31/13 11:07	11/01/13 08:11	7440-41-7	
Cadmium	**12.9**	mg/kg	2.2	0.54	1	10/31/13 11:07	11/01/13 08:11	7440-43-9	
Chromium	**43.7**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-47-3	
Cobalt	**5.8**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-48-4	
Copper	**254**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-50-8	
Lead	**914**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7439-92-1	
Nickel	**74.4**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-28-0	
Vanadium	**14.4**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-62-2	
Zinc	**2130**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:11	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.32**	mg/kg	0.23	0.20	1	11/04/13 11:45	11/05/13 11:32	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(2-4)-102913 **Lab ID: 5089109002** Collected: 10/29/13 08:30 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	83-32-9	
Acenaphthylene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	208-96-8	
Anthracene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	120-12-7	
Benzo(a)anthracene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	56-55-3	
Benzo(a)pyrene	ND	ug/kg	983	954	5	10/30/13 21:00	11/06/13 18:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	207-08-9	
Benzyl alcohol	ND	ug/kg	3820	1910	5	10/30/13 21:00	11/06/13 18:50	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	101-55-3	
Butylbenzylphthalate	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	3820	1910	5	10/30/13 21:00	11/06/13 18:50	59-50-7	
4-Chloroaniline	ND	ug/kg	3820	1910	5	10/30/13 21:00	11/06/13 18:50	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	108-60-1	
2-Chloronaphthalene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	91-58-7	
2-Chlorophenol	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	7005-72-3	
Chrysene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	983	954	5	10/30/13 21:00	11/06/13 18:50	53-70-3	
Dibenzofuran	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	120-83-2	
Diethylphthalate	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	105-67-9	
Dimethylphthalate	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	131-11-3	
Di-n-butylphthalate	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	9250	4630	5	10/30/13 21:00	11/06/13 18:50	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	9250	9250	5	10/30/13 21:00	11/06/13 18:50	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	606-20-2	
Di-n-octylphthalate	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	117-84-0	
bis(2-Ethylhexyl)phthalate	**1030J**	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	117-81-7	
Fluoranthene	**1920**	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	206-44-0	
Fluorene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	1910	1910	5	10/30/13 21:00	11/06/13 18:50	77-47-4	
Hexachloroethane	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	193-39-5	
Isophorone	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	78-59-1	
2-Methylnaphthalene	**9430**	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	3820	1910	5	10/30/13 21:00	11/06/13 18:50		
Naphthalene	**7510**	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	91-20-3	
2-Nitroaniline	ND	ug/kg	9250	4630	5	10/30/13 21:00	11/06/13 18:50	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(2-4)-102913 **Lab ID: 5089109002** Collected: 10/29/13 08:30 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	9250	4630	5	10/30/13 21:00	11/06/13 18:50	99-09-2	
4-Nitroaniline	ND	ug/kg	9250	4630	5	10/30/13 21:00	11/06/13 18:50	100-01-6	
Nitrobenzene	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	98-95-3	
2-Nitrophenol	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	88-75-5	
4-Nitrophenol	ND	ug/kg	9250	4630	5	10/30/13 21:00	11/06/13 18:50	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	86-30-6	
Phenanthrene	**1880J**	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	85-01-8	
Phenol	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	108-95-2	
Pyrene	**1580J**	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	1910	954	5	10/30/13 21:00	11/06/13 18:50	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	27	%.	28-101		5	10/30/13 21:00	11/06/13 18:50	4165-60-0	S4
2-Fluorobiphenyl (S)	34	%.	31-94		5	10/30/13 21:00	11/06/13 18:50	321-60-8	
p-Terphenyl-d14 (S)	41	%.	26-110		5	10/30/13 21:00	11/06/13 18:50	1718-51-0	
Phenol-d5 (S)	37	%.	28-101		5	10/30/13 21:00	11/06/13 18:50	4165-62-2	
2-Fluorophenol (S)	37	%.	24-104		5	10/30/13 21:00	11/06/13 18:50	367-12-4	
2,4,6-Tribromophenol (S)	39	%.	16-122		5	10/30/13 21:00	11/06/13 18:50	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.11	0.054	1		11/08/13 15:35	67-64-1	
Acrolein	ND	mg/kg	0.11	0.054	1		11/08/13 15:35	107-02-8	
Benzene	**0.011**	mg/kg	0.0054	0.0011	1		11/08/13 15:35	71-43-2	
Bromobenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	108-86-1	
Bromochloromethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-27-4	
Bromoform	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-25-2	
Bromomethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.027	0.013	1		11/08/13 15:35	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	104-51-8	
sec-Butylbenzene	**0.075**	mg/kg	0.0054	0.0027	1		11/08/13 15:35	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	0.0027	1		11/08/13 15:35	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	56-23-5	
Chlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	108-90-7	
Chloroethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-00-3	
Chloroform	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	67-66-3	
Chloromethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	124-48-1	
Dibromomethane	ND	mg/kg	0.0054	0.0034	1		11/08/13 15:35	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(2-4)-102913 **Lab ID: 5089109002** Collected: 10/29/13 08:30 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	0.054	1		11/08/13 15:35	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	10061-02-6	
Ethylbenzene	**2.1**	mg/kg	0.28	0.14	50		11/08/13 16:08	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	0.054	1		11/08/13 15:35	97-63-2	
n-Hexane	**0.0055**	mg/kg	0.0054	0.0027	1		11/08/13 15:35	110-54-3	N2
2-Hexanone	ND	mg/kg	0.11	0.054	1		11/08/13 15:35	591-78-6	
Iodomethane	ND	mg/kg	0.11	0.054	1		11/08/13 15:35	74-88-4	
Isopropylbenzene (Cumene)	**0.079**	mg/kg	0.0054	0.0027	1		11/08/13 15:35	98-82-8	
p-Isopropyltoluene	**0.11**	mg/kg	0.0054	0.0027	1		11/08/13 15:35	99-87-6	
Methylene Chloride	ND	mg/kg	0.021	0.011	1		11/08/13 15:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.027	0.013	1		11/08/13 15:35	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0054	0.0015	1		11/08/13 15:35	1634-04-4	
n-Propylbenzene	**0.30**	mg/kg	0.0054	0.0027	1		11/08/13 15:35	103-65-1	
Styrene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	79-34-5	
Tetrachloroethene	**0.0064**	mg/kg	0.0054	0.0020	1		11/08/13 15:35	127-18-4	
Toluene	**0.030**	mg/kg	0.0054	0.0027	1		11/08/13 15:35	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	79-00-5	
Trichloroethene	ND	mg/kg	0.0054	0.0018	1		11/08/13 15:35	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-69-4	
1,2,4-Trimethylbenzene	**39.8**	mg/kg	2.9	1.5	500		11/11/13 13:56	95-63-6	
1,3,5-Trimethylbenzene	**16.8**	mg/kg	0.28	0.14	50		11/08/13 16:08	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	0.054	1		11/08/13 15:35	108-05-4	
Vinyl chloride	ND	mg/kg	0.0054	0.0027	1		11/08/13 15:35	75-01-4	
Xylene (Total)	**31.5**	mg/kg	5.8	2.9	500		11/11/13 13:56	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	97	%.	85-118		1		11/08/13 15:35	1868-53-7	
Toluene-d8 (S)	122	%.	71-128		1		11/08/13 15:35	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-MW02(2-4)-102913 **Lab ID: 5089109002** Collected: 10/29/13 08:30 Received: 10/30/13 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	95	%.	56-144		1		11/08/13 15:35	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.8**	%	0.10	0.10	1		10/31/13 11:39		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.5**	Std. Units	0.10		1		10/31/13 14:17		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-TB03-102913 **Lab ID: 5089109005** Collected: 10/29/13 08:00 Received: 10/30/13 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/07/13 21:34	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/07/13 21:34	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/07/13 21:34	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/07/13 21:34	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/07/13 21:34	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/07/13 21:34	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/07/13 21:34	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-25-2	
Bromomethane	ND	ug/L	5.0	3.9	1		11/07/13 21:34	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/07/13 21:34	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/07/13 21:34	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/07/13 21:34	67-66-3	
Chloromethane	ND	ug/L	5.0	3.0	1		11/07/13 21:34	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.7	1		11/07/13 21:34	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/07/13 21:34	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	100-41-4	
Iodomethane	ND	ug/L	10.0	5.3	1		11/07/13 21:34	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/07/13 21:34	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/07/13 21:34	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Sample: FAW-TB03-102913 **Lab ID: 5089109005** Collected: 10/29/13 08:00 Received: 10/30/13 10:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.4	1		11/07/13 21:34	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.1	1		11/07/13 21:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/07/13 21:34	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.2	1		11/07/13 21:34	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/07/13 21:34	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/07/13 21:34	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/07/13 21:34	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/07/13 21:34	110-57-6	
Surrogates									
Dibromofluoromethane (S)	107	%.	79-116		1		11/07/13 21:34	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114		1		11/07/13 21:34	460-00-4	
Toluene-d8 (S)	96	%.	81-110		1		11/07/13 21:34	2037-26-5	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

QC Batch: GCV/17349 Analysis Method: EPA 8015 Mod Pur
QC Batch Method: EPA 8015 Mod Pur Analysis Description: 8015 GRO 5035
Associated Lab Samples: 5089109001, 5089109002

METHOD BLANK: 1008840 Matrix: Solid
Associated Lab Samples: 5089109001, 5089109002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C12)	mg/kg	ND	1.0	11/07/13 11:55	
4-Bromofluorobenzene (S)	%.	99	38-163	11/07/13 11:55	

LABORATORY CONTROL SAMPLE: 1008841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C12)	mg/kg	10	10.0	100	75-139	
4-Bromofluorobenzene (S)	%.			101	38-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1008842 1008843

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C06-C12)	mg/kg	ND	8.5	8.8	7.5	7.9	88	89	10-151	5	20	
4-Bromofluorobenzene (S)	%.						118	124	38-163		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

QC Batch: MERP/5005 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 5089109001, 5089109002

METHOD BLANK: 1006119 Matrix: Solid
Associated Lab Samples: 5089109001, 5089109002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.20	11/05/13 10:38	

LABORATORY CONTROL SAMPLE: 1006120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.49	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006121 1006122

Parameter	Units	5089136003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	.77	.71	0.82	0.72	101	97	75-125	13	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006123 1006124

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.21J	.53	.52	0.74	0.82	99	118	75-125	10	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

QC Batch: MPRP/12359
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 5089109001, 5089109002

METHOD BLANK: 1005530 Matrix: Solid
Associated Lab Samples: 5089109001, 5089109002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	50.0	11/01/13 07:56	
Antimony	mg/kg	ND	2.0	11/01/13 07:56	
Arsenic	mg/kg	ND	2.0	11/01/13 07:56	
Barium	mg/kg	ND	2.0	11/01/13 07:56	
Beryllium	mg/kg	ND	0.50	11/01/13 07:56	
Cadmium	mg/kg	ND	2.0	11/01/13 07:56	
Chromium	mg/kg	ND	2.0	11/01/13 07:56	
Cobalt	mg/kg	ND	2.0	11/01/13 07:56	
Copper	mg/kg	ND	2.0	11/01/13 07:56	
Lead	mg/kg	ND	2.0	11/01/13 07:56	
Nickel	mg/kg	ND	2.0	11/01/13 07:56	
Selenium	mg/kg	ND	2.0	11/01/13 07:56	
Silver	mg/kg	ND	2.0	11/01/13 07:56	
Thallium	mg/kg	ND	2.0	11/01/13 07:56	
Vanadium	mg/kg	ND	2.0	11/01/13 07:56	
Zinc	mg/kg	ND	2.0	11/01/13 07:56	

LABORATORY CONTROL SAMPLE: 1005531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	502	100	80-120	
Antimony	mg/kg	50	50.5	101	80-120	
Arsenic	mg/kg	50	50.2	100	80-120	
Barium	mg/kg	50	50.6	101	80-120	
Beryllium	mg/kg	50	49.7	99	80-120	
Cadmium	mg/kg	50	48.8	98	80-120	
Chromium	mg/kg	50	49.9	100	80-120	
Cobalt	mg/kg	50	49.9	100	80-120	
Copper	mg/kg	50	49.8	100	80-120	
Lead	mg/kg	50	49.0	98	80-120	
Nickel	mg/kg	50	50.4	101	80-120	
Selenium	mg/kg	50	48.4	97	80-120	
Silver	mg/kg	25	24.6	98	80-120	
Thallium	mg/kg	50	48.8	98	80-120	
Vanadium	mg/kg	50	51.2	102	80-120	
Zinc	mg/kg	50	49.1	98	80-120	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1005532 1005533

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/kg	5570	481	485	9220	7240	757	343	75-125	24	20	1d,P6
Antimony	mg/kg	4.6	48.1	48.5	19.4	22.5	31	37	75-125	15	20	M3
Arsenic	mg/kg	12.6	48.1	48.5	55.4	58.2	89	94	75-125	5	20	
Barium	mg/kg	85.9	48.1	48.5	154	128	140	86	75-125	18	20	M0
Beryllium	mg/kg	0.37J	48.1	48.5	42.4	42.7	87	87	75-125	1	20	
Cadmium	mg/kg	ND	48.1	48.5	44.1	44.7	91	92	75-125	1	20	
Chromium	mg/kg	8.2	48.1	48.5	50.4	50.5	88	87	75-125	0	20	
Cobalt	mg/kg	4.8	48.1	48.5	44.2	45.0	82	83	75-125	2	20	
Copper	mg/kg	29.8	48.1	48.5	69.5	72.1	82	87	75-125	4	20	
Lead	mg/kg	159	48.1	48.5	125	139	-72	-42	75-125	11	20	M3
Nickel	mg/kg	14.0	48.1	48.5	53.6	54.8	82	84	75-125	2	20	
Selenium	mg/kg	ND	48.1	48.5	41.4	42.4	86	87	75-125	2	20	
Silver	mg/kg	ND	24.1	24.2	21.4	21.8	87	88	75-125	2	20	
Thallium	mg/kg	ND	48.1	48.5	36.8	37.5	76	77	75-125	2	20	
Vanadium	mg/kg	13.4	48.1	48.5	58.0	59.1	93	94	75-125	2	20	
Zinc	mg/kg	93.9	48.1	48.5	128	134	70	83	75-125	5	20	M0

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

QC Batch: MSV/59106 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5089109005

METHOD BLANK: 1009209 Matrix: Water
Associated Lab Samples: 5089109005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/07/13 13:23	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/07/13 13:23	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/07/13 13:23	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/07/13 13:23	
1,1-Dichloroethane	ug/L	ND	5.0	11/07/13 13:23	
1,1-Dichloroethene	ug/L	ND	5.0	11/07/13 13:23	
1,1-Dichloropropene	ug/L	ND	5.0	11/07/13 13:23	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/07/13 13:23	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/07/13 13:23	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/07/13 13:23	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/07/13 13:23	
1,2-Dichloroethane	ug/L	ND	5.0	11/07/13 13:23	
1,2-Dichloropropane	ug/L	ND	5.0	11/07/13 13:23	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/07/13 13:23	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/07/13 13:23	
1,3-Dichloropropane	ug/L	ND	5.0	11/07/13 13:23	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/07/13 13:23	
2,2-Dichloropropane	ug/L	ND	5.0	11/07/13 13:23	
2-Butanone (MEK)	ug/L	ND	25.0	11/07/13 13:23	
2-Chlorotoluene	ug/L	ND	5.0	11/07/13 13:23	
2-Hexanone	ug/L	ND	25.0	11/07/13 13:23	
4-Chlorotoluene	ug/L	ND	5.0	11/07/13 13:23	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/07/13 13:23	
Acetone	ug/L	ND	100	11/07/13 13:23	
Acrolein	ug/L	ND	50.0	11/07/13 13:23	
Benzene	ug/L	ND	5.0	11/07/13 13:23	
Bromobenzene	ug/L	ND	5.0	11/07/13 13:23	
Bromochloromethane	ug/L	ND	5.0	11/07/13 13:23	
Bromodichloromethane	ug/L	ND	5.0	11/07/13 13:23	
Bromoform	ug/L	ND	5.0	11/07/13 13:23	
Bromomethane	ug/L	ND	5.0	11/07/13 13:23	
Carbon disulfide	ug/L	ND	10.0	11/07/13 13:23	
Carbon tetrachloride	ug/L	ND	5.0	11/07/13 13:23	
Chlorobenzene	ug/L	ND	5.0	11/07/13 13:23	
Chloroethane	ug/L	ND	5.0	11/07/13 13:23	
Chloroform	ug/L	ND	5.0	11/07/13 13:23	
Chloromethane	ug/L	ND	5.0	11/07/13 13:23	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/07/13 13:23	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/07/13 13:23	
Dibromochloromethane	ug/L	ND	5.0	11/07/13 13:23	
Dibromomethane	ug/L	ND	5.0	11/07/13 13:23	
Dichlorodifluoromethane	ug/L	ND	5.0	11/07/13 13:23	
Ethyl methacrylate	ug/L	ND	100	11/07/13 13:23	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

METHOD BLANK: 1009209 Matrix: Water

Associated Lab Samples: 5089109005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	5.0	11/07/13 13:23	
Iodomethane	ug/L	ND	10.0	11/07/13 13:23	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/07/13 13:23	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/07/13 13:23	
Methylene Chloride	ug/L	ND	5.0	11/07/13 13:23	
n-Butylbenzene	ug/L	ND	5.0	11/07/13 13:23	
n-Hexane	ug/L	ND	5.0	11/07/13 13:23	N2
n-Propylbenzene	ug/L	ND	5.0	11/07/13 13:23	
p-Isopropyltoluene	ug/L	ND	5.0	11/07/13 13:23	
sec-Butylbenzene	ug/L	ND	5.0	11/07/13 13:23	
Styrene	ug/L	ND	5.0	11/07/13 13:23	
tert-Butylbenzene	ug/L	ND	5.0	11/07/13 13:23	
Tetrachloroethene	ug/L	ND	5.0	11/07/13 13:23	
Toluene	ug/L	ND	5.0	11/07/13 13:23	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/07/13 13:23	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/07/13 13:23	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/07/13 13:23	
Trichloroethene	ug/L	ND	5.0	11/07/13 13:23	
Trichlorofluoromethane	ug/L	ND	5.0	11/07/13 13:23	
Vinyl acetate	ug/L	ND	50.0	11/07/13 13:23	
Vinyl chloride	ug/L	ND	2.0	11/07/13 13:23	
Xylene (Total)	ug/L	ND	10.0	11/07/13 13:23	
4-Bromofluorobenzene (S)	%.	95	80-114	11/07/13 13:23	
Dibromofluoromethane (S)	%.	96	79-116	11/07/13 13:23	
Toluene-d8 (S)	%.	97	81-110	11/07/13 13:23	

LABORATORY CONTROL SAMPLE: 1009210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	42.1	84	61-135	
1,1,1-Trichloroethane	ug/L	50	50.8	102	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	50.8	102	66-126	
1,1,2-Trichloroethane	ug/L	50	48.6	97	77-130	
1,1-Dichloroethane	ug/L	50	46.3	93	75-130	
1,1-Dichloroethene	ug/L	50	44.4	89	68-127	
1,1-Dichloropropene	ug/L	50	50.6	101	78-130	
1,2,3-Trichlorobenzene	ug/L	50	47.1	94	70-130	
1,2,4-Trichlorobenzene	ug/L	50	49.4	99	68-131	
1,2,4-Trimethylbenzene	ug/L	50	48.3	97	69-127	
1,2-Dichlorobenzene	ug/L	50	50.6	101	75-123	
1,2-Dichloroethane	ug/L	50	44.2	88	75-128	
1,2-Dichloropropane	ug/L	50	53.7	107	74-121	
1,3,5-Trimethylbenzene	ug/L	50	52.5	105	70-126	
1,3-Dichlorobenzene	ug/L	50	51.1	102	74-122	
1,3-Dichloropropane	ug/L	50	52.6	105	74-123	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

LABORATORY CONTROL SAMPLE: 1009210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	49.5	99	76-120	
2,2-Dichloropropane	ug/L	50	54.9	110	50-137	
2-Butanone (MEK)	ug/L	250	265	106	58-139	
2-Chlorotoluene	ug/L	50	50.6	101	74-122	
2-Hexanone	ug/L	250	241	96	54-140	
4-Chlorotoluene	ug/L	50	55.7	111	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	237	95	58-138	
Acetone	ug/L	250	277	111	49-150	
Acrolein	ug/L	1000	884	88	41-200	
Benzene	ug/L	50	47.5	95	74-122	
Bromobenzene	ug/L	50	45.8	92	72-127	
Bromochloromethane	ug/L	50	44.4	89	63-132	
Bromodichloromethane	ug/L	50	52.9	106	62-136	
Bromoform	ug/L	50	44.0	88	44-134	
Bromomethane	ug/L	50	57.4	115	22-181	
Carbon disulfide	ug/L	100	101	101	59-132	
Carbon tetrachloride	ug/L	50	41.7	83	56-137	
Chlorobenzene	ug/L	50	47.4	95	78-123	
Chloroethane	ug/L	50	52.2	104	60-144	
Chloroform	ug/L	50	46.1	92	78-126	
Chloromethane	ug/L	50	49.5	99	42-134	
cis-1,2-Dichloroethene	ug/L	50	46.6	93	75-122	
cis-1,3-Dichloropropene	ug/L	50	46.6	93	64-126	
Dibromochloromethane	ug/L	50	45.0	90	58-128	
Dibromomethane	ug/L	50	48.4	97	73-125	
Dichlorodifluoromethane	ug/L	50	47.1	94	35-181	
Ethyl methacrylate	ug/L	200	191	96	69-133	
Ethylbenzene	ug/L	50	50.0	100	66-133	
Iodomethane	ug/L	100	88.1	88	21-170	
Isopropylbenzene (Cumene)	ug/L	50	54.3	109	69-124	
Methyl-tert-butyl ether	ug/L	100	108	108	69-122	
Methylene Chloride	ug/L	50	47.5	95	68-132	
n-Butylbenzene	ug/L	50	48.7	97	70-126	
n-Hexane	ug/L	50	53.6	107	51-125	N2
n-Propylbenzene	ug/L	50	53.5	107	71-122	
p-Isopropyltoluene	ug/L	50	49.6	99	72-132	
sec-Butylbenzene	ug/L	50	54.7	109	70-128	
Styrene	ug/L	50	54.3	109	74-126	
tert-Butylbenzene	ug/L	50	44.6	89	51-118	
Tetrachloroethene	ug/L	50	49.4	99	69-130	
Toluene	ug/L	50	47.3	95	72-122	
trans-1,2-Dichloroethene	ug/L	50	47.8	96	72-124	
trans-1,3-Dichloropropene	ug/L	50	45.1	90	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	184	92	56-133	
Trichloroethene	ug/L	50	46.0	92	76-126	
Trichlorofluoromethane	ug/L	50	43.5	87	76-149	
Vinyl acetate	ug/L	200	225	112	45-151	
Vinyl chloride	ug/L	50	49.4	99	59-126	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

LABORATORY CONTROL SAMPLE: 1009210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	155	103	70-124	
4-Bromofluorobenzene (S)	%.			96	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			98	81-110	

MATRIX SPIKE SAMPLE: 1009211

Parameter	Units	5089152015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	40.0	80	50-132	
1,1,1-Trichloroethane	ug/L	ND	50	50.8	102	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	47.1	94	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	46.9	94	61-139	
1,1-Dichloroethane	ug/L	ND	50	48.3	97	57-147	
1,1-Dichloroethene	ug/L	ND	50	47.7	95	55-145	
1,1-Dichloropropene	ug/L	ND	50	53.9	108	55-147	
1,2,3-Trichlorobenzene	ug/L	ND	50	41.9	84	31-141	
1,2,4-Trichlorobenzene	ug/L	ND	50	43.9	88	25-143	
1,2,4-Trimethylbenzene	ug/L	ND	50	46.4	93	18-149	
1,2-Dichlorobenzene	ug/L	ND	50	47.3	95	38-136	
1,2-Dichloroethane	ug/L	ND	50	46.9	94	62-138	
1,2-Dichloropropane	ug/L	ND	50	51.3	103	59-130	
1,3,5-Trimethylbenzene	ug/L	ND	50	50.4	101	20-147	
1,3-Dichlorobenzene	ug/L	ND	50	48.1	96	28-141	
1,3-Dichloropropane	ug/L	ND	50	50.4	101	62-127	
1,4-Dichlorobenzene	ug/L	ND	50	46.5	93	30-139	
2,2-Dichloropropane	ug/L	ND	50	41.9	84	37-139	
2-Butanone (MEK)	ug/L	ND	250	245	98	37-156	
2-Chlorotoluene	ug/L	ND	50	48.6	97	27-142	
2-Hexanone	ug/L	ND	250	220	88	44-143	
4-Chlorotoluene	ug/L	ND	50	52.4	105	27-144	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	218	87	46-144	
Acetone	ug/L	ND	250	261	105	39-156	
Acrolein	ug/L	ND	1000	902	90	33-200	
Benzene	ug/L	ND	50	47.3	95	62-129	
Bromobenzene	ug/L	ND	50	45.2	90	39-140	
Bromochloromethane	ug/L	ND	50	43.9	88	49-142	
Bromodichloromethane	ug/L	ND	50	51.3	103	50-142	
Bromoform	ug/L	ND	50	39.3	79	36-125	
Bromomethane	ug/L	ND	50	60.0	120	13-179	
Carbon disulfide	ug/L	ND	100	103	103	45-142	
Carbon tetrachloride	ug/L	ND	50	40.7	81	46-142	
Chlorobenzene	ug/L	ND	50	46.6	93	49-136	
Chloroethane	ug/L	ND	50	56.1	112	47-160	
Chloroform	ug/L	ND	50	48.2	96	54-150	
Chloromethane	ug/L	ND	50	47.8	96	30-148	
cis-1,2-Dichloroethene	ug/L	ND	50	47.6	95	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	38.8	78	52-123	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

MATRIX SPIKE SAMPLE: 1009211

Parameter	Units	5089152015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	ND	50	42.0	84	48-125	
Dibromomethane	ug/L	ND	50	48.5	97	59-134	
Dichlorodifluoromethane	ug/L	ND	50	46.1	92	24-197	
Ethyl methacrylate	ug/L	ND	200	182	91	55-139	
Ethylbenzene	ug/L	ND	50	49.6	99	28-153	
Iodomethane	ug/L	ND	100	76.2	76	17-157	
Isopropylbenzene (Cumene)	ug/L	ND	50	54.2	108	18-152	
Methyl-tert-butyl ether	ug/L	ND	100	103	103	63-130	
Methylene Chloride	ug/L	ND	50	48.6	97	45-156	
n-Butylbenzene	ug/L	ND	50	45.0	90	10-161	
n-Hexane	ug/L	ND	50	50.6	101	33-144	N2
n-Propylbenzene	ug/L	ND	50	50.7	101	16-150	
p-Isopropyltoluene	ug/L	ND	50	46.3	93	10-163	
sec-Butylbenzene	ug/L	ND	50	51.1	102	10-160	
Styrene	ug/L	ND	50	53.9	108	36-139	
tert-Butylbenzene	ug/L	ND	50	42.7	85	12-134	
Tetrachloroethene	ug/L	ND	50	48.6	97	33-151	
Toluene	ug/L	ND	50	46.5	93	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	50.2	100	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	39.0	78	48-122	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	160	80	32-139	
Trichloroethene	ug/L	ND	50	47.1	94	50-143	
Trichlorofluoromethane	ug/L	ND	50	48.0	96	60-175	
Vinyl acetate	ug/L	ND	200	167	84	17-142	
Vinyl chloride	ug/L	ND	50	51.7	103	44-145	
Xylene (Total)	ug/L	ND	150	151	101	29-145	
4-Bromofluorobenzene (S)	%.				101	80-114	
Dibromofluoromethane (S)	%.				100	79-116	
Toluene-d8 (S)	%.				98	81-110	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

QC Batch: MSV/59121 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5089109001

METHOD BLANK: 1009307 Matrix: Solid
Associated Lab Samples: 5089109001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	11/08/13 00:43	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	11/08/13 00:43	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	11/08/13 00:43	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	11/08/13 00:43	
1,1-Dichloroethane	mg/kg	ND	0.0050	11/08/13 00:43	
1,1-Dichloroethene	mg/kg	ND	0.0050	11/08/13 00:43	
1,1-Dichloropropene	mg/kg	ND	0.0050	11/08/13 00:43	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	11/08/13 00:43	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	11/08/13 00:43	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	11/08/13 00:43	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 00:43	
1,2-Dichloroethane	mg/kg	ND	0.0050	11/08/13 00:43	
1,2-Dichloropropane	mg/kg	ND	0.0050	11/08/13 00:43	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	11/08/13 00:43	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 00:43	
1,3-Dichloropropane	mg/kg	ND	0.0050	11/08/13 00:43	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 00:43	
2,2-Dichloropropane	mg/kg	ND	0.0050	11/08/13 00:43	
2-Butanone (MEK)	mg/kg	ND	0.025	11/08/13 00:43	
2-Chlorotoluene	mg/kg	ND	0.0050	11/08/13 00:43	
2-Hexanone	mg/kg	ND	0.10	11/08/13 00:43	
4-Chlorotoluene	mg/kg	ND	0.0050	11/08/13 00:43	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	11/08/13 00:43	
Acetone	mg/kg	ND	0.10	11/08/13 00:43	
Acrolein	mg/kg	ND	0.10	11/08/13 00:43	
Benzene	mg/kg	ND	0.0050	11/08/13 00:43	
Bromobenzene	mg/kg	ND	0.0050	11/08/13 00:43	
Bromochloromethane	mg/kg	ND	0.0050	11/08/13 00:43	
Bromodichloromethane	mg/kg	ND	0.0050	11/08/13 00:43	
Bromoform	mg/kg	ND	0.0050	11/08/13 00:43	
Bromomethane	mg/kg	ND	0.0050	11/08/13 00:43	
Carbon disulfide	mg/kg	ND	0.010	11/08/13 00:43	
Carbon tetrachloride	mg/kg	ND	0.0050	11/08/13 00:43	
Chlorobenzene	mg/kg	ND	0.0050	11/08/13 00:43	
Chloroethane	mg/kg	ND	0.0050	11/08/13 00:43	
Chloroform	mg/kg	ND	0.0050	11/08/13 00:43	
Chloromethane	mg/kg	ND	0.0050	11/08/13 00:43	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	11/08/13 00:43	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	11/08/13 00:43	
Dibromochloromethane	mg/kg	ND	0.0050	11/08/13 00:43	
Dibromomethane	mg/kg	ND	0.0050	11/08/13 00:43	
Dichlorodifluoromethane	mg/kg	ND	0.0050	11/08/13 00:43	
Ethyl methacrylate	mg/kg	ND	0.10	11/08/13 00:43	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

METHOD BLANK: 1009307 Matrix: Solid

Associated Lab Samples: 5089109001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/kg	ND	0.0050	11/08/13 00:43	
Iodomethane	mg/kg	ND	0.10	11/08/13 00:43	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	11/08/13 00:43	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	11/08/13 00:43	
Methylene Chloride	mg/kg	ND	0.020	11/08/13 00:43	
n-Butylbenzene	mg/kg	ND	0.0050	11/08/13 00:43	
n-Hexane	mg/kg	ND	0.0050	11/08/13 00:43	N2
n-Propylbenzene	mg/kg	ND	0.0050	11/08/13 00:43	
p-Isopropyltoluene	mg/kg	ND	0.0050	11/08/13 00:43	
sec-Butylbenzene	mg/kg	ND	0.0050	11/08/13 00:43	
Styrene	mg/kg	ND	0.0050	11/08/13 00:43	
tert-Butylbenzene	mg/kg	ND	0.0050	11/08/13 00:43	
Tetrachloroethene	mg/kg	ND	0.0050	11/08/13 00:43	
Toluene	mg/kg	ND	0.0050	11/08/13 00:43	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	11/08/13 00:43	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	11/08/13 00:43	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	11/08/13 00:43	
Trichloroethene	mg/kg	ND	0.0050	11/08/13 00:43	
Trichlorofluoromethane	mg/kg	ND	0.0050	11/08/13 00:43	
Vinyl acetate	mg/kg	ND	0.10	11/08/13 00:43	
Vinyl chloride	mg/kg	ND	0.0050	11/08/13 00:43	
Xylene (Total)	mg/kg	ND	0.010	11/08/13 00:43	
4-Bromofluorobenzene (S)	%.	98	56-144	11/08/13 00:43	
Dibromofluoromethane (S)	%.	99	85-118	11/08/13 00:43	
Toluene-d8 (S)	%.	98	71-128	11/08/13 00:43	

LABORATORY CONTROL SAMPLE: 1009308

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.05	0.045	90	62-123	
1,1,1-Trichloroethane	mg/kg	.05	0.043	86	70-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.059	118	65-124	
1,1,2-Trichloroethane	mg/kg	.05	0.051	103	74-129	
1,1-Dichloroethane	mg/kg	.05	0.047	94	73-130	
1,1-Dichloroethene	mg/kg	.05	0.044	88	66-126	
1,1-Dichloropropene	mg/kg	.05	0.047	94	78-125	
1,2,3-Trichlorobenzene	mg/kg	.05	0.049	98	66-131	
1,2,4-Trichlorobenzene	mg/kg	.05	0.046	92	68-129	
1,2,4-Trimethylbenzene	mg/kg	.05	0.051	102	67-126	
1,2-Dichlorobenzene	mg/kg	.05	0.048	96	73-122	
1,2-Dichloroethane	mg/kg	.05	0.048	96	73-127	
1,2-Dichloropropane	mg/kg	.05	0.054	108	75-118	
1,3,5-Trimethylbenzene	mg/kg	.05	0.052	105	65-127	
1,3-Dichlorobenzene	mg/kg	.05	0.047	93	73-121	
1,3-Dichloropropane	mg/kg	.05	0.051	102	72-121	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

LABORATORY CONTROL SAMPLE: 1009308

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/kg	.05	0.046	92	75-119	
2,2-Dichloropropane	mg/kg	.05	0.041	82	63-122	
2-Butanone (MEK)	mg/kg	.25	0.27	107	59-139	
2-Chlorotoluene	mg/kg	.05	0.052	104	72-121	
2-Hexanone	mg/kg	.25	0.25	101	56-139	
4-Chlorotoluene	mg/kg	.05	0.051	103	75-123	
4-Methyl-2-pentanone (MIBK)	mg/kg	.25	0.25	100	63-136	
Acetone	mg/kg	.25	0.28	113	46-156	
Acrolein	mg/kg	1	1.5	149	47-200	
Benzene	mg/kg	.05	0.044	89	74-119	
Bromobenzene	mg/kg	.05	0.050	100	69-129	
Bromochloromethane	mg/kg	.05	0.054	109	67-129	
Bromodichloromethane	mg/kg	.05	0.043	86	68-121	
Bromoform	mg/kg	.05	0.042	84	49-124	
Bromomethane	mg/kg	.05	0.056	111	44-142	
Carbon disulfide	mg/kg	.1	0.087	87	61-129	
Carbon tetrachloride	mg/kg	.05	0.041	81	58-127	
Chlorobenzene	mg/kg	.05	0.045	91	77-122	
Chloroethane	mg/kg	.05	0.051	103	59-141	
Chloroform	mg/kg	.05	0.047	93	75-124	
Chloromethane	mg/kg	.05	0.048	96	46-133	
cis-1,2-Dichloroethene	mg/kg	.05	0.046	92	72-122	
cis-1,3-Dichloropropene	mg/kg	.05	0.044	87	68-115	
Dibromochloromethane	mg/kg	.05	0.045	89	60-121	
Dibromomethane	mg/kg	.05	0.048	97	72-124	
Dichlorodifluoromethane	mg/kg	.05	0.040	80	26-186	
Ethyl methacrylate	mg/kg	.2	0.20	102	63-130	
Ethylbenzene	mg/kg	.05	0.047	94	72-123	
Iodomethane	mg/kg	.1	0.10	104	38-149	
Isopropylbenzene (Cumene)	mg/kg	.05	0.052	104	65-123	
Methyl-tert-butyl ether	mg/kg	.1	0.092	92	68-120	
Methylene Chloride	mg/kg	.05	0.046	92	57-142	
n-Butylbenzene	mg/kg	.05	0.050	101	68-125	
n-Hexane	mg/kg	.05	0.041	82	57-117	N2
n-Propylbenzene	mg/kg	.05	0.053	107	68-122	
p-Isopropyltoluene	mg/kg	.05	0.051	102	66-133	
sec-Butylbenzene	mg/kg	.05	0.053	105	64-131	
Styrene	mg/kg	.05	0.054	108	70-126	
tert-Butylbenzene	mg/kg	.05	0.051	101	46-124	
Tetrachloroethene	mg/kg	.05	0.043	86	72-126	
Toluene	mg/kg	.05	0.044	88	71-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.044	88	69-123	
trans-1,3-Dichloropropene	mg/kg	.05	0.049	98	66-114	
trans-1,4-Dichloro-2-butene	mg/kg	.2	0.23	113	61-124	
Trichloroethene	mg/kg	.05	0.044	89	74-123	
Trichlorofluoromethane	mg/kg	.05	0.047	93	72-146	
Vinyl acetate	mg/kg	.2	0.19	97	57-131	
Vinyl chloride	mg/kg	.05	0.049	98	55-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

LABORATORY CONTROL SAMPLE: 1009308

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	mg/kg	.15	0.15	103	66-124	
4-Bromofluorobenzene (S)	%.			104	56-144	
Dibromofluoromethane (S)	%.			97	85-118	
Toluene-d8 (S)	%.			98	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1009309 1009310

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	mg/kg	ND	.043	.042	0.035	0.039	80	92	10-129	11	20	
1,1,1-Trichloroethane	mg/kg	ND	.043	.042	0.038	0.040	87	95	26-143	6	20	
1,1,2,2-Tetrachloroethane	mg/kg	ND	.043	.042	0.048	0.060	110	142	10-156	22	20	
1,1,2-Trichloroethane	mg/kg	ND	.043	.042	0.045	0.047	103	110	13-156	4	20	
1,1-Dichloroethane	mg/kg	ND	.043	.042	0.042	0.043	97	101	36-150	1	20	
1,1-Dichloroethene	mg/kg	ND	.043	.042	0.036	0.036	83	85	31-146	0	20	
1,1-Dichloropropene	mg/kg	ND	.043	.042	0.039	0.037	89	88	26-145	5	20	
1,2,3-Trichlorobenzene	mg/kg	ND	.043	.042	0.017	0.014	39	32	10-119	23	20	
1,2,4-Trichlorobenzene	mg/kg	ND	.043	.042	0.018	0.012	41	29	10-122	37	20	
1,2,4-Trimethylbenzene	mg/kg	ND	.043	.042	0.035	0.042	79	98	10-139	19	20	
1,2-Dichlorobenzene	mg/kg	ND	.043	.042	0.030	0.029	69	67	10-132	6	20	
1,2-Dichloroethane	mg/kg	ND	.043	.042	0.043	0.039	98	92	30-140	9	20	
1,2-Dichloropropane	mg/kg	ND	.043	.042	0.046	0.046	106	108	29-135	1	20	
1,3,5-Trimethylbenzene	mg/kg	ND	.043	.042	0.035	0.046	79	109	10-143	29	20	
1,3-Dichlorobenzene	mg/kg	ND	.043	.042	0.029	0.026	67	61	10-130	12	20	
1,3-Dichloropropane	mg/kg	ND	.043	.042	0.046	0.043	105	101	17-139	7	20	
1,4-Dichlorobenzene	mg/kg	ND	.043	.042	0.029	0.025	66	58	10-128	16	20	
2,2-Dichloropropane	mg/kg	ND	.043	.042	0.035	0.037	79	88	29-136	8	20	
2-Butanone (MEK)	mg/kg	ND	.22	.21	0.34	0.35	156	164	22-176	2	20	
2-Chlorotoluene	mg/kg	ND	.043	.042	0.035	0.042	80	99	10-146	17	20	
2-Hexanone	mg/kg	ND	.22	.21	0.29	0.28	132	132	12-165	3	20	
4-Chlorotoluene	mg/kg	ND	.043	.042	0.034	0.034	77	81	10-138	1	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	.22	.21	0.25	0.27	116	128	22-155	7	20	
Acetone	mg/kg	ND	.22	.21	0.44	0.45	199	210	11-200	2	20	
Acrolein	mg/kg	ND	.88	.85	1.2	1.1	134	128	10-200	8	20	
Benzene	mg/kg	ND	.043	.042	0.040	0.037	92	88	27-140	7	20	
Bromobenzene	mg/kg	ND	.043	.042	0.031	0.026	72	62	10-133	18	20	
Bromochloromethane	mg/kg	ND	.043	.042	0.045	0.043	102	100	28-142	5	20	
Bromodichloromethane	mg/kg	ND	.043	.042	0.036	0.034	81	81	13-139	4	20	
Bromoform	mg/kg	ND	.043	.042	0.034	0.036	77	85	10-122	7	20	
Bromomethane	mg/kg	ND	.043	.042	0.044	0.045	100	106	10-154	2	20	
Carbon disulfide	mg/kg	ND	.088	.085	0.067	0.063	77	75	20-142	6	20	
Carbon tetrachloride	mg/kg	ND	.043	.042	0.033	0.037	76	86	19-135	9	20	
Chlorobenzene	mg/kg	ND	.043	.042	0.034	0.030	77	71	10-136	12	20	
Chloroethane	mg/kg	ND	.043	.042	0.044	0.044	101	103	24-161	1	20	
Chloroform	mg/kg	ND	.043	.042	0.041	0.040	94	95	36-138	1	20	
Chloromethane	mg/kg	ND	.043	.042	0.041	0.042	94	100	28-143	3	20	
cis-1,2-Dichloroethene	mg/kg	ND	.043	.042	0.042	0.037	97	88	29-136	13	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1009309 1009310

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	mg/kg	ND	.043	.042	0.037	0.033	84	78	10-130	10	20	
Dibromochloromethane	mg/kg	ND	.043	.042	0.036	0.034	81	81	10-124	4	20	
Dibromomethane	mg/kg	ND	.043	.042	0.041	0.034	95	80	24-136	20	20	
Dichlorodifluoromethane	mg/kg	ND	.043	.042	0.037	0.038	83	89	15-187	3	20	
Ethyl methacrylate	mg/kg	ND	.18	.17	0.16	0.14	89	84	10-147	9	20	
Ethylbenzene	mg/kg	ND	.043	.042	0.034	0.036	79	85	10-144	4	20	
Iodomethane	mg/kg	ND	.088	.085	0.085J	0.084J	98	99	10-155		20	
Isopropylbenzene (Cumene)	mg/kg	ND	.043	.042	0.033	0.039	76	92	10-134	15	20	
Methyl-tert-butyl ether	mg/kg	ND	.088	.085	0.079	0.084	90	100	30-147	7	20	
Methylene Chloride	mg/kg	ND	.043	.042	0.038	0.036	86	85	23-150	4	20	
n-Butylbenzene	mg/kg	ND	.043	.042	0.028	0.030	64	71	10-141	7	20	
n-Hexane	mg/kg	ND	.043	.042	0.030	0.028	69	67	10-140	7	20	N2
n-Propylbenzene	mg/kg	ND	.043	.042	0.036	0.044	81	103	10-143	21	20	
p-Isopropyltoluene	mg/kg	ND	.043	.042	0.031	0.041	71	98	10-146	28	20	
sec-Butylbenzene	mg/kg	ND	.043	.042	0.033	0.044	75	104	10-150	29	20	
Styrene	mg/kg	ND	.043	.042	0.035	0.029	80	68	10-138	20	20	
tert-Butylbenzene	mg/kg	ND	.043	.042	0.034	0.049	78	115	10-135	35	20	
Tetrachloroethene	mg/kg	ND	.043	.042	0.034	0.036	77	85	10-153	7	20	
Toluene	mg/kg	0.0037J	.043	.042	0.037	0.046	77	100	10-140	22	20	
trans-1,2-Dichloroethene	mg/kg	ND	.043	.042	0.036	0.032	81	76	28-139	11	20	
trans-1,3-Dichloropropene	mg/kg	ND	.043	.042	0.035	0.028	80	66	10-126	23	20	
trans-1,4-Dichloro-2-butene	mg/kg	ND	.18	.17	0.16	0.11	90	64	10-132	37	20	
Trichloroethene	mg/kg	ND	.043	.042	0.038	0.034	86	81	17-148	9	20	
Trichlorofluoromethane	mg/kg	ND	.043	.042	0.041	0.043	93	102	31-177	6	20	
Vinyl acetate	mg/kg	ND	.18	.17	0.068J	0.051J	39	30	10-131		20	
Vinyl chloride	mg/kg	ND	.043	.042	0.042	0.041	96	97	30-145	2	20	
Xylene (Total)	mg/kg	ND	.13	.12	0.11	0.11	81	86	10-143	3	20	
4-Bromofluorobenzene (S)	%.						96	91	56-144		20	2d
Dibromofluoromethane (S)	%.						102	108	85-118		20	
Toluene-d8 (S)	%.						102	116	71-128		20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1009311 1009312

Parameter	Units	5089121004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	mg/kg	ND	.034	.045	0.020	0.034	62	77	10-129	50	20	
1,1,1-Trichloroethane	mg/kg	ND	.034	.045	0.024	0.037	73	82	26-143	41	20	
1,1,2,2-Tetrachloroethane	mg/kg	ND	.034	.045	0.028	0.045	85	101	10-156	46	20	
1,1,2-Trichloroethane	mg/kg	ND	.034	.045	0.028	0.044	85	98	13-156	44	20	
1,1-Dichloroethane	mg/kg	ND	.034	.045	0.026	0.040	80	90	36-150	41	20	
1,1-Dichloroethene	mg/kg	ND	.034	.045	0.023	0.036	71	81	31-146	42	20	
1,1-Dichloropropene	mg/kg	ND	.034	.045	0.026	0.044	79	98	26-145	51	20	
1,2,3-Trichlorobenzene	mg/kg	ND	.034	.045	0.012	0.025	37	57	10-119	71	20	
1,2,4-Trichlorobenzene	mg/kg	ND	.034	.045	0.011	0.025	34	57	10-122	77	20	
1,2,4-Trimethylbenzene	mg/kg	ND	.034	.045	0.017	0.040	51	90	10-139	81	20	
1,2-Dichlorobenzene	mg/kg	ND	.034	.045	0.016	0.034	48	77	10-132	73	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1009311 1009312

Parameter	Units	5089121004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	mg/kg	ND	.034	.045	0.026	0.039	79	88	30-140	39	20	
1,2-Dichloropropane	mg/kg	ND	.034	.045	0.031	0.050	95	113	29-135	46	20	
1,3,5-Trimethylbenzene	mg/kg	ND	.034	.045	0.017	0.041	52	93	10-143	83	20	
1,3-Dichlorobenzene	mg/kg	ND	.034	.045	0.015	0.034	44	76	10-130	79	20	
1,3-Dichloropropane	mg/kg	ND	.034	.045	0.028	0.044	85	99	17-139	44	20	
1,4-Dichlorobenzene	mg/kg	ND	.034	.045	0.014	0.033	42	73	10-128	80	20	
2,2-Dichloropropane	mg/kg	ND	.034	.045	0.022	0.034	66	77	29-136	44	20	
2-Butanone (MEK)	mg/kg	ND	.17	.22	0.22	0.32	134	142	22-176	35	20	
2-Chlorotoluene	mg/kg	ND	.034	.045	0.017	0.040	53	91	10-146	79	20	
2-Hexanone	mg/kg	ND	.17	.22	0.18	0.27	111	120	12-165	37	20	
4-Chlorotoluene	mg/kg	ND	.034	.045	0.016	0.038	49	86	10-138	81	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	.17	.22	0.17	0.26	105	116	22-155	38	20	
Acetone	mg/kg	ND	.17	.22	0.24	0.34	143	151	11-200	35	20	
Acrolein	mg/kg	ND	.66	.88	0.55	0.80	84	90	10-200	37	20	
Benzene	mg/kg	ND	.034	.045	0.026	0.042	78	95	27-140	48	20	
Bromobenzene	mg/kg	ND	.034	.045	0.018	0.035	55	80	10-133	65	20	
Bromochloromethane	mg/kg	ND	.034	.045	0.031	0.046	94	104	28-142	39	20	
Bromodichloromethane	mg/kg	ND	.034	.045	0.022	0.033	66	75	13-139	42	20	
Bromoform	mg/kg	ND	.034	.045	0.018	0.029	55	65	10-122	44	20	
Bromomethane	mg/kg	ND	.034	.045	0.026	0.043	80	97	10-154	48	20	
Carbon disulfide	mg/kg	ND	.066	.088	0.042	0.065	63	73	20-142	44	20	
Carbon tetrachloride	mg/kg	ND	.034	.045	0.020	0.030	61	67	19-135	39	20	
Chlorobenzene	mg/kg	ND	.034	.045	0.019	0.037	59	83	10-136	62	20	
Chloroethane	mg/kg	ND	.034	.045	0.027	0.041	82	92	24-161	41	20	
Chloroform	mg/kg	ND	.034	.045	0.026	0.041	80	93	36-138	44	20	
Chloromethane	mg/kg	ND	.034	.045	0.025	0.041	76	91	28-143	47	20	
cis-1,2-Dichloroethene	mg/kg	ND	.034	.045	0.027	0.043	82	96	29-136	45	20	
cis-1,3-Dichloropropene	mg/kg	ND	.034	.045	0.022	0.037	66	82	10-130	50	20	
Dibromochloromethane	mg/kg	ND	.034	.045	0.021	0.031	63	71	10-124	40	20	
Dibromomethane	mg/kg	ND	.034	.045	0.027	0.040	81	90	24-136	39	20	
Dichlorodifluoromethane	mg/kg	ND	.034	.045	0.023	0.034	70	76	15-187	37	20	
Ethyl methacrylate	mg/kg	ND	.13	.18	0.11	0.17	84	98	10-147	45	20	
Ethylbenzene	mg/kg	ND	.034	.045	0.019	0.040	58	89	10-144	69	20	
Iodomethane	mg/kg	ND	.066	.088	0.050J	0.081J	76	92	10-155		20	
Isopropylbenzene (Cumene)	mg/kg	ND	.034	.045	0.018	0.041	56	92	10-134	76	20	
Methyl-tert-butyl ether	mg/kg	ND	.066	.088	0.051	0.075	77	84	30-147	38	20	
Methylene Chloride	mg/kg	ND	.034	.045	0.023	0.035	69	78	23-150	41	20	
n-Butylbenzene	mg/kg	ND	.034	.045	0.013	0.038	38	86	10-141	100	20	
n-Hexane	mg/kg	ND	.034	.045	0.022	0.036	67	81	10-140	48	20	N2
n-Propylbenzene	mg/kg	ND	.034	.045	0.017	0.042	51	95	10-143	86	20	
p-Isopropyltoluene	mg/kg	ND	.034	.045	0.015	0.040	45	91	10-146	92	20	
sec-Butylbenzene	mg/kg	ND	.034	.045	0.016	0.043	49	97	10-150	91	20	
Styrene	mg/kg	ND	.034	.045	0.019	0.039	59	88	10-138	67	20	
tert-Butylbenzene	mg/kg	ND	.034	.045	0.017	0.042	53	95	10-135	83	20	
Tetrachloroethene	mg/kg	ND	.034	.045	0.019	0.038	58	85	10-153	66	20	
Toluene	mg/kg	ND	.034	.045	0.022	0.040	68	91	10-140	57	20	
trans-1,2-Dichloroethene	mg/kg	ND	.034	.045	0.022	0.035	67	79	28-139	45	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1009311 1009312

Parameter	Units	5089121004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
trans-1,3-Dichloropropene	mg/kg	ND	.034	.045	0.020	0.034	62	76	10-126	49	20	
trans-1,4-Dichloro-2-butene	mg/kg	ND	.13	.18	0.083	0.13	63	73	10-132	44	20	
Trichloroethene	mg/kg	ND	.034	.045	0.023	0.040	71	90	17-148	52	20	
Trichlorofluoromethane	mg/kg	ND	.034	.045	0.025	0.037	76	83	31-177	39	20	
Vinyl acetate	mg/kg	ND	.13	.18	0.057J	0.12	43	68	10-131		20	
Vinyl chloride	mg/kg	ND	.034	.045	0.027	0.040	82	91	30-145	39	20	
Xylene (Total)	mg/kg	ND	.1	.13	0.059	0.12	59	91	10-143	70	20	
4-Bromofluorobenzene (S)	%.						99	97	56-144		20	
Dibromofluoromethane (S)	%.						100	94	85-118		20	2d
Toluene-d8 (S)	%.						100	101	71-128		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

QC Batch: MSV/59148
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5089109002

METHOD BLANK: 1010072
Matrix: Solid
Associated Lab Samples: 5089109002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	11/08/13 14:04	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	11/08/13 14:04	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	11/08/13 14:04	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	11/08/13 14:04	
1,1-Dichloroethane	mg/kg	ND	0.0050	11/08/13 14:04	
1,1-Dichloroethene	mg/kg	ND	0.0050	11/08/13 14:04	
1,1-Dichloropropene	mg/kg	ND	0.0050	11/08/13 14:04	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	11/08/13 14:04	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	11/08/13 14:04	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	11/08/13 14:04	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 14:04	
1,2-Dichloroethane	mg/kg	ND	0.0050	11/08/13 14:04	
1,2-Dichloropropane	mg/kg	ND	0.0050	11/08/13 14:04	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	11/08/13 14:04	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 14:04	
1,3-Dichloropropane	mg/kg	ND	0.0050	11/08/13 14:04	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 14:04	
2,2-Dichloropropane	mg/kg	ND	0.0050	11/08/13 14:04	
2-Butanone (MEK)	mg/kg	ND	0.025	11/08/13 14:04	
2-Chlorotoluene	mg/kg	ND	0.0050	11/08/13 14:04	
2-Hexanone	mg/kg	ND	0.10	11/08/13 14:04	
4-Chlorotoluene	mg/kg	ND	0.0050	11/08/13 14:04	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	11/08/13 14:04	
Acetone	mg/kg	ND	0.10	11/08/13 14:04	
Acrolein	mg/kg	ND	0.10	11/08/13 14:04	
Benzene	mg/kg	ND	0.0050	11/08/13 14:04	
Bromobenzene	mg/kg	ND	0.0050	11/08/13 14:04	
Bromochloromethane	mg/kg	ND	0.0050	11/08/13 14:04	
Bromodichloromethane	mg/kg	ND	0.0050	11/08/13 14:04	
Bromoform	mg/kg	ND	0.0050	11/08/13 14:04	
Bromomethane	mg/kg	ND	0.0050	11/08/13 14:04	
Carbon disulfide	mg/kg	ND	0.010	11/08/13 14:04	
Carbon tetrachloride	mg/kg	ND	0.0050	11/08/13 14:04	
Chlorobenzene	mg/kg	ND	0.0050	11/08/13 14:04	
Chloroethane	mg/kg	ND	0.0050	11/08/13 14:04	
Chloroform	mg/kg	ND	0.0050	11/08/13 14:04	
Chloromethane	mg/kg	ND	0.0050	11/08/13 14:04	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	11/08/13 14:04	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	11/08/13 14:04	
Dibromochloromethane	mg/kg	ND	0.0050	11/08/13 14:04	
Dibromomethane	mg/kg	ND	0.0050	11/08/13 14:04	
Dichlorodifluoromethane	mg/kg	ND	0.0050	11/08/13 14:04	
Ethyl methacrylate	mg/kg	ND	0.10	11/08/13 14:04	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

METHOD BLANK: 1010072 Matrix: Solid

Associated Lab Samples: 5089109002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/kg	ND	0.0050	11/08/13 14:04	
Iodomethane	mg/kg	ND	0.10	11/08/13 14:04	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	11/08/13 14:04	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	11/08/13 14:04	
Methylene Chloride	mg/kg	ND	0.020	11/08/13 14:04	
n-Butylbenzene	mg/kg	ND	0.0050	11/08/13 14:04	
n-Hexane	mg/kg	ND	0.0050	11/08/13 14:04	N2
n-Propylbenzene	mg/kg	ND	0.0050	11/08/13 14:04	
p-Isopropyltoluene	mg/kg	ND	0.0050	11/08/13 14:04	
sec-Butylbenzene	mg/kg	ND	0.0050	11/08/13 14:04	
Styrene	mg/kg	ND	0.0050	11/08/13 14:04	
tert-Butylbenzene	mg/kg	ND	0.0050	11/08/13 14:04	
Tetrachloroethene	mg/kg	ND	0.0050	11/08/13 14:04	
Toluene	mg/kg	ND	0.0050	11/08/13 14:04	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	11/08/13 14:04	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	11/08/13 14:04	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	11/08/13 14:04	
Trichloroethene	mg/kg	ND	0.0050	11/08/13 14:04	
Trichlorofluoromethane	mg/kg	ND	0.0050	11/08/13 14:04	
Vinyl acetate	mg/kg	ND	0.10	11/08/13 14:04	
Vinyl chloride	mg/kg	ND	0.0050	11/08/13 14:04	
Xylene (Total)	mg/kg	ND	0.010	11/08/13 14:04	
4-Bromofluorobenzene (S)	%.	99	56-144	11/08/13 14:04	
Dibromofluoromethane (S)	%.	92	85-118	11/08/13 14:04	
Toluene-d8 (S)	%.	101	71-128	11/08/13 14:04	

LABORATORY CONTROL SAMPLE: 1010073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.05	0.046	92	62-123	
1,1,1-Trichloroethane	mg/kg	.05	0.046	93	70-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.057	114	65-124	
1,1,2-Trichloroethane	mg/kg	.05	0.053	105	74-129	
1,1-Dichloroethane	mg/kg	.05	0.039	77	73-130	
1,1-Dichloroethene	mg/kg	.05	0.039	79	66-126	
1,1-Dichloropropene	mg/kg	.05	0.050	99	78-125	
1,2,3-Trichlorobenzene	mg/kg	.05	0.049	98	66-131	
1,2,4-Trichlorobenzene	mg/kg	.05	0.052	104	68-129	
1,2,4-Trimethylbenzene	mg/kg	.05	0.056	112	67-126	
1,2-Dichlorobenzene	mg/kg	.05	0.051	102	73-122	
1,2-Dichloroethane	mg/kg	.05	0.045	90	73-127	
1,2-Dichloropropane	mg/kg	.05	0.054	108	75-118	
1,3,5-Trimethylbenzene	mg/kg	.05	0.054	109	65-127	
1,3-Dichlorobenzene	mg/kg	.05	0.049	98	73-121	
1,3-Dichloropropane	mg/kg	.05	0.055	111	72-121	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

LABORATORY CONTROL SAMPLE: 1010073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/kg	.05	0.050	99	75-119	
2,2-Dichloropropane	mg/kg	.05	0.042	84	63-122	
2-Butanone (MEK)	mg/kg	.25	0.28	111	59-139	
2-Chlorotoluene	mg/kg	.05	0.053	105	72-121	
2-Hexanone	mg/kg	.25	0.28	113	56-139	
4-Chlorotoluene	mg/kg	.05	0.052	104	75-123	
4-Methyl-2-pentanone (MIBK)	mg/kg	.25	0.30	120	63-136	
Acetone	mg/kg	.25	0.27	109	46-156	
Acrolein	mg/kg	1	1.4	144	47-200	
Benzene	mg/kg	.05	0.047	94	74-119	
Bromobenzene	mg/kg	.05	0.049	98	69-129	
Bromochloromethane	mg/kg	.05	0.052	104	67-129	
Bromodichloromethane	mg/kg	.05	0.043	87	68-121	
Bromoform	mg/kg	.05	0.041	83	49-124	
Bromomethane	mg/kg	.05	0.049	98	44-142	
Carbon disulfide	mg/kg	.1	0.080	80	61-129	
Carbon tetrachloride	mg/kg	.05	0.041	83	58-127	
Chlorobenzene	mg/kg	.05	0.049	97	77-122	
Chloroethane	mg/kg	.05	0.053	107	59-141	
Chloroform	mg/kg	.05	0.045	89	75-124	
Chloromethane	mg/kg	.05	0.047	93	46-133	
cis-1,2-Dichloroethene	mg/kg	.05	0.047	94	72-122	
cis-1,3-Dichloropropene	mg/kg	.05	0.049	98	68-115	
Dibromochloromethane	mg/kg	.05	0.046	92	60-121	
Dibromomethane	mg/kg	.05	0.049	97	72-124	
Dichlorodifluoromethane	mg/kg	.05	0.040	79	26-186	
Ethyl methacrylate	mg/kg	.2	0.22	108	63-130	
Ethylbenzene	mg/kg	.05	0.048	97	72-123	
Iodomethane	mg/kg	.1	0.10	102	38-149	
Isopropylbenzene (Cumene)	mg/kg	.05	0.054	107	65-123	
Methyl-tert-butyl ether	mg/kg	.1	0.084	84	68-120	
Methylene Chloride	mg/kg	.05	0.043	86	57-142	
n-Butylbenzene	mg/kg	.05	0.055	110	68-125	
n-Hexane	mg/kg	.05	0.040	79	57-117	N2
n-Propylbenzene	mg/kg	.05	0.056	113	68-122	
p-Isopropyltoluene	mg/kg	.05	0.054	108	66-133	
sec-Butylbenzene	mg/kg	.05	0.055	111	64-131	
Styrene	mg/kg	.05	0.053	106	70-126	
tert-Butylbenzene	mg/kg	.05	0.052	104	46-124	
Tetrachloroethene	mg/kg	.05	0.046	93	72-126	
Toluene	mg/kg	.05	0.048	96	71-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.041	81	69-123	
trans-1,3-Dichloropropene	mg/kg	.05	0.048	97	66-114	
trans-1,4-Dichloro-2-butene	mg/kg	.2	0.22	109	61-124	
Trichloroethene	mg/kg	.05	0.047	94	74-123	
Trichlorofluoromethane	mg/kg	.05	0.043	85	72-146	
Vinyl acetate	mg/kg	.2	0.18	90	57-131	
Vinyl chloride	mg/kg	.05	0.048	95	55-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

LABORATORY CONTROL SAMPLE: 1010073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	mg/kg	.15	0.15	101	66-124	
4-Bromofluorobenzene (S)	%.			98	56-144	
Dibromofluoromethane (S)	%.			94	85-118	
Toluene-d8 (S)	%.			101	71-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

QC Batch: OEXT/34254 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 3546 Analysis Description: EPA 8015 TPH Ohio
Associated Lab Samples: 5089109001, 5089109002

METHOD BLANK: 1005402 Matrix: Solid
Associated Lab Samples: 5089109001, 5089109002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	ND	20.0	10/31/13 15:37	
TPH (C10-C20)	mg/kg	ND	10.0	10/31/13 15:37	
TPH (C20-C34)	mg/kg	ND	10.0	10/31/13 15:37	
n-Pentacosane (S)	%.	75	30-153	10/31/13 15:37	

LABORATORY CONTROL SAMPLE: 1005403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	83.3	57.8	69	43-88	
n-Pentacosane (S)	%.			80	30-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1005404 1005405

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/kg	55.4	86	86	104	84.3	56	34	10-136	20	20	
n-Pentacosane (S)	%.						170	148	30-153		20	3d

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

QC Batch: OEXT/34255 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 5089109001, 5089109002

METHOD BLANK: 1005406 Matrix: Solid
Associated Lab Samples: 5089109001, 5089109002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	100	10/31/13 12:51	
PCB-1221 (Aroclor 1221)	ug/kg	ND	100	10/31/13 12:51	
PCB-1232 (Aroclor 1232)	ug/kg	ND	100	10/31/13 12:51	
PCB-1242 (Aroclor 1242)	ug/kg	ND	100	10/31/13 12:51	
PCB-1248 (Aroclor 1248)	ug/kg	ND	100	10/31/13 12:51	
PCB-1254 (Aroclor 1254)	ug/kg	ND	100	10/31/13 12:51	
PCB-1260 (Aroclor 1260)	ug/kg	ND	100	10/31/13 12:51	
Tetrachloro-m-xylene (S)	%.	80	30-106	10/31/13 12:51	

LABORATORY CONTROL SAMPLE: 1005407

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	128	77	42-100	
PCB-1260 (Aroclor 1260)	ug/kg	167	117	70	40-106	
Tetrachloro-m-xylene (S)	%.			74	30-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1005408 1005409

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	172	172	112	105	65	61	10-145	7	20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	172	172	111	104	57	52	16-132	7	20	
Tetrachloro-m-xylene (S)	%.						66	62	30-106		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

QC Batch: OEXT/34253 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
Associated Lab Samples: 5089109001, 5089109002

METHOD BLANK: 1005398 Matrix: Solid
Associated Lab Samples: 5089109001, 5089109002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/kg	ND	330	10/31/13 19:18	
2,4,6-Trichlorophenol	ug/kg	ND	330	10/31/13 19:18	
2,4-Dichlorophenol	ug/kg	ND	330	10/31/13 19:18	
2,4-Dimethylphenol	ug/kg	ND	330	10/31/13 19:18	
2,4-Dinitrophenol	ug/kg	ND	1600	10/31/13 19:18	
2,4-Dinitrotoluene	ug/kg	ND	330	10/31/13 19:18	
2,6-Dinitrotoluene	ug/kg	ND	330	10/31/13 19:18	
2-Chloronaphthalene	ug/kg	ND	330	10/31/13 19:18	
2-Chlorophenol	ug/kg	ND	330	10/31/13 19:18	
2-Methylnaphthalene	ug/kg	ND	330	10/31/13 19:18	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	10/31/13 19:18	
2-Nitroaniline	ug/kg	ND	1600	10/31/13 19:18	
2-Nitrophenol	ug/kg	ND	330	10/31/13 19:18	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	660	10/31/13 19:18	
3-Nitroaniline	ug/kg	ND	1600	10/31/13 19:18	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1600	10/31/13 19:18	
4-Bromophenylphenyl ether	ug/kg	ND	330	10/31/13 19:18	
4-Chloro-3-methylphenol	ug/kg	ND	660	10/31/13 19:18	
4-Chloroaniline	ug/kg	ND	660	10/31/13 19:18	
4-Chlorophenylphenyl ether	ug/kg	ND	330	10/31/13 19:18	
4-Nitroaniline	ug/kg	ND	1600	10/31/13 19:18	
4-Nitrophenol	ug/kg	ND	1600	10/31/13 19:18	
Acenaphthene	ug/kg	ND	330	10/31/13 19:18	
Acenaphthylene	ug/kg	ND	330	10/31/13 19:18	
Anthracene	ug/kg	ND	330	10/31/13 19:18	
Benzo(a)anthracene	ug/kg	ND	330	10/31/13 19:18	
Benzo(a)pyrene	ug/kg	ND	170	10/31/13 19:18	
Benzo(b)fluoranthene	ug/kg	ND	330	10/31/13 19:18	
Benzo(g,h,i)perylene	ug/kg	ND	330	10/31/13 19:18	
Benzo(k)fluoranthene	ug/kg	ND	330	10/31/13 19:18	
Benzyl alcohol	ug/kg	ND	660	10/31/13 19:18	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	10/31/13 19:18	
bis(2-Chloroethyl) ether	ug/kg	ND	330	10/31/13 19:18	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	10/31/13 19:18	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	10/31/13 19:18	
Butylbenzylphthalate	ug/kg	ND	330	10/31/13 19:18	
Chrysene	ug/kg	ND	330	10/31/13 19:18	
Di-n-butylphthalate	ug/kg	ND	330	10/31/13 19:18	
Di-n-octylphthalate	ug/kg	ND	330	10/31/13 19:18	
Dibenz(a,h)anthracene	ug/kg	ND	170	10/31/13 19:18	
Dibenzofuran	ug/kg	ND	330	10/31/13 19:18	
Diethylphthalate	ug/kg	ND	330	10/31/13 19:18	
Dimethylphthalate	ug/kg	ND	330	10/31/13 19:18	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

METHOD BLANK: 1005398 Matrix: Solid

Associated Lab Samples: 5089109001, 5089109002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoranthene	ug/kg	ND	330	10/31/13 19:18	
Fluorene	ug/kg	ND	330	10/31/13 19:18	
Hexachlorocyclopentadiene	ug/kg	ND	330	10/31/13 19:18	
Hexachloroethane	ug/kg	ND	330	10/31/13 19:18	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	10/31/13 19:18	
Isophorone	ug/kg	ND	330	10/31/13 19:18	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	10/31/13 19:18	
N-Nitrosodiphenylamine	ug/kg	ND	330	10/31/13 19:18	
Naphthalene	ug/kg	ND	330	10/31/13 19:18	
Nitrobenzene	ug/kg	ND	330	10/31/13 19:18	
Phenanthrene	ug/kg	ND	330	10/31/13 19:18	
Phenol	ug/kg	ND	330	10/31/13 19:18	
Pyrene	ug/kg	ND	330	10/31/13 19:18	
2,4,6-Tribromophenol (S)	%.	73	16-122	10/31/13 19:18	
2-Fluorobiphenyl (S)	%.	54	31-94	10/31/13 19:18	
2-Fluorophenol (S)	%.	61	24-104	10/31/13 19:18	
Nitrobenzene-d5 (S)	%.	52	28-101	10/31/13 19:18	
p-Terphenyl-d14 (S)	%.	89	26-110	10/31/13 19:18	
Phenol-d5 (S)	%.	54	28-101	10/31/13 19:18	

LABORATORY CONTROL SAMPLE: 1005399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	3330	2570	77	39-103	
2-Chlorophenol	ug/kg	3330	1870	56	38-96	
2-Methylnaphthalene	ug/kg	3330	2030	61	36-94	
4-Chloro-3-methylphenol	ug/kg	3330	2180	66	38-104	
4-Nitrophenol	ug/kg	3330	2150	64	34-104	
Acenaphthene	ug/kg	3330	2160	65	43-99	
Acenaphthylene	ug/kg	3330	2160	65	42-101	
Anthracene	ug/kg	3330	2420	73	46-107	
Benzo(a)anthracene	ug/kg	3330	2500	75	45-108	
Benzo(a)pyrene	ug/kg	3330	2590	78	47-113	
Benzo(b)fluoranthene	ug/kg	3330	2430	73	41-110	
Benzo(g,h,i)perylene	ug/kg	3330	2200	66	42-112	
Benzo(k)fluoranthene	ug/kg	3330	2460	74	44-107	
Chrysene	ug/kg	3330	2460	74	43-103	
Dibenz(a,h)anthracene	ug/kg	3330	2410	72	43-110	
Fluoranthene	ug/kg	3330	2660	80	45-105	
Fluorene	ug/kg	3330	2370	71	42-103	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	2300	69	43-111	
N-Nitroso-di-n-propylamine	ug/kg	3330	1970	59	37-96	
Naphthalene	ug/kg	3330	1790	54	44-100	
Phenanthrene	ug/kg	3330	2370	71	44-104	
Phenol	ug/kg	3330	2000	60	37-101	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

LABORATORY CONTROL SAMPLE: 1005399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	3330	2660	80	44-105	
2,4,6-Tribromophenol (S)	%.			80	16-122	
2-Fluorobiphenyl (S)	%.			62	31-94	
2-Fluorophenol (S)	%.			68	24-104	
Nitrobenzene-d5 (S)	%.			59	28-101	
p-Terphenyl-d14 (S)	%.			99	26-110	
Phenol-d5 (S)	%.			70	28-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1005400 1005401

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/kg	ND	3420	3400	2030	1940	59	57	15-102	4	20	
2-Chlorophenol	ug/kg	ND	3420	3400	1740	1660	51	49	22-96	5	20	
2-Methylnaphthalene	ug/kg	ND	3420	3400	1640	1970	44	54	14-107	19	20	
4-Chloro-3-methylphenol	ug/kg	ND	3420	3400	1820	1900	53	56	21-105	4	20	
4-Nitrophenol	ug/kg	ND	3420	3400	1670	1710	49	50	12-107	2	20	
Acenaphthene	ug/kg	ND	3420	3400	2060	2040	57	56	19-110	1	20	
Acenaphthylene	ug/kg	ND	3420	3400	1940	1950	54	54	21-106	1	20	
Anthracene	ug/kg	480	3420	3400	2160	2190	49	50	22-112	2	20	
Benzo(a)anthracene	ug/kg	661	3420	3400	2240	2270	46	47	13-116	1	20	
Benzo(a)pyrene	ug/kg	558	3420	3400	2230	2220	49	49	11-119	1	20	
Benzo(b)fluoranthene	ug/kg	685	3420	3400	2440	2130	51	42	10-126	14	20	
Benzo(g,h,i)perylene	ug/kg	300J	3420	3400	2030	2010	51	50	10-114	1	20	
Benzo(k)fluoranthene	ug/kg	290J	3420	3400	1890	2050	47	52	10-117	8	20	
Chrysene	ug/kg	703	3420	3400	2310	2280	47	46	14-107	1	20	
Dibenz(a,h)anthracene	ug/kg	ND	3420	3400	1960	1920	55	54	10-119	2	20	
Fluoranthene	ug/kg	1710	3420	3400	2580	2760	25	31	17-110	7	20	
Fluorene	ug/kg	206J	3420	3400	2210	2200	59	58	17-115	1	20	
Indeno(1,2,3-cd)pyrene	ug/kg	337J	3420	3400	2140	2000	53	49	11-111	7	20	
N-Nitroso-di-n-propylamine	ug/kg	ND	3420	3400	1970	1830	58	54	18-103	7	20	
Naphthalene	ug/kg	174J	3420	3400	1790	1780	47	47	16-102	0	20	
Phenanthrene	ug/kg	1710	3420	3400	2540	2600	24	26	10-128	2	20	
Phenol	ug/kg	ND	3420	3400	1810	1690	53	50	22-97	7	20	
Pyrene	ug/kg	1330	3420	3400	2510	2610	34	38	10-123	4	20	
2,4,6-Tribromophenol (S)	%.						58	60	16-122			
2-Fluorobiphenyl (S)	%.						55	56	31-94			
2-Fluorophenol (S)	%.						55	55	24-104			
Nitrobenzene-d5 (S)	%.						52	52	26-98			
p-Terphenyl-d14 (S)	%.						75	75	26-110			
Phenol-d5 (S)	%.						57	57	28-101			

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

QC Batch: PMST/8891
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5089109001, 5089109002

SAMPLE DUPLICATE: 1005589

Parameter	Units	5089003016 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.5	15.2	14	5	R1

SAMPLE DUPLICATE: 1005590

Parameter	Units	5089109001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.4	3.5	2	5	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

QC Batch: WET/13636
QC Batch Method: EPA 9045
Analysis Method: EPA 9045
Analysis Description: 9045 pH
Associated Lab Samples: 5089109002

SAMPLE DUPLICATE: 1005778

Parameter	Units	5089109002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.7	2	20	

SAMPLE DUPLICATE: 1005779

Parameter	Units	5089153003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.1	8.0	0	20	

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	RPD is outside control limits due to sample non-homogeneity. FRW 11-1-13
2d	Several compounds are outside of acceptance limits for RPD value. Refer to the LCS for system control. grm 11-8-13
3d	The surrogate recovery exceeds the upper limit due to significant contribution from the target analyte. CEM 11/01/13
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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METHOD CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Parameter	Matrix	Analytical Method	Preparation Method
6010 MET ICP	Solid	SW-846 6010B	SW-846 3050B
7471 Mercury	Solid	SW-846 7471A	SW-846 7471A
8015 GRO 5035	Solid	SW-846 8015B	SW-846 5035A
8015 Gasoline Range Organics	Solid	SW-846 8015A	SW-846 5030A
8015 TPH Ohio Microwave	Solid	SW-846 8015B	SW-846 3546
8082 GCS PCB	Solid	SW-846 8082	SW-846 3546
8260 MSV	Water	SW-846 8260B	SW-846 5030B
8260 MSV 5035A VOA	Solid	SW-846 8260B	SW-846 5035A
8270 MSSV SHORT LIST MICROWAVE	Solid	SW-846 8270C	SW-846 3546

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089109

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089109001	**FAW-MW02(0-2)-102913**	EPA 3546	OEXT/34254	EPA 8015 Mod Ext	GCSV/11668
5089109002	**FAW-MW02(2-4)-102913**	EPA 3546	OEXT/34254	EPA 8015 Mod Ext	GCSV/11668
5089109001	**FAW-MW02(0-2)-102913**	EPA 3546	OEXT/34255	EPA 8082	GCSV/11670
5089109002	**FAW-MW02(2-4)-102913**	EPA 3546	OEXT/34255	EPA 8082	GCSV/11670
5089109001	**FAW-MW02(0-2)-102913**	EPA 8015 Mod Pur	GCV/17349		
5089109002	**FAW-MW02(2-4)-102913**	EPA 8015 Mod Pur	GCV/17349		
5089109001	**FAW-MW02(0-2)-102913**	EPA 3050	MPRP/12359	EPA 6010	ICP/13675
5089109002	**FAW-MW02(2-4)-102913**	EPA 3050	MPRP/12359	EPA 6010	ICP/13675
5089109001	**FAW-MW02(0-2)-102913**	EPA 7471	MERP/5005	EPA 7471	MERC/5342
5089109002	**FAW-MW02(2-4)-102913**	EPA 7471	MERP/5005	EPA 7471	MERC/5342
5089109001	**FAW-MW02(0-2)-102913**	EPA 3546	OEXT/34253	EPA 8270	MSSV/13826
5089109002	**FAW-MW02(2-4)-102913**	EPA 3546	OEXT/34253	EPA 8270	MSSV/13826
5089109005	**FAW-TB03-102913**	EPA 8260	MSV/59106		
5089109001	**FAW-MW02(0-2)-102913**	EPA 8260	MSV/59121		
5089109002	**FAW-MW02(2-4)-102913**	EPA 8260	MSV/59148		
5089109001	**FAW-MW02(0-2)-102913**	ASTM D2974-87	PMST/8891		
5089109002	**FAW-MW02(2-4)-102913**	ASTM D2974-87	PMST/8891		
5089109002	**FAW-MW02(2-4)-102913**	EPA 9045	WET/13636		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1718765

Section A Required Client Information:

Company: Weston Solutions
Address: 711 E. Monument
Dayton OH 45402
Email To: laura.funk@westonsolutions.com
Phone: 937-531-4402 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: laura.funk@westonsolutions.com
Copy To:
Purchase Order No.:
Project Name: FAW
Project Number: 20405.016.008.2234.00

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER Ohio VAP

Site Location STATE: OH

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE)
Drinking Water DW
Water WT
Waste Water WW
Product P
Soil/Solid SL
Oil OL
Wipe WP
Air AR
Tissue TS
Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	FOC	SVOC	PCB	TPH DRO	Metals	pH	VOC	TPH GRO	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FAW-MW02(0-2)-102913	SL	G	10-29	0825				31										X	X	X	X	X	X	X	5089709 -001
2	FAW-MW02(2-4)-102913	SL	G	10-29	0830				11											X	X	X	X	X	X	-002
3	FAW-MW02(14-16)-102913	SL	G	10-29	0942				10											X	X	X	X	X	X	-003
4	FAW-MW02(21-23)-102913	SL	G	10-29	1000				10											X	X	X	X	X	X	-004
5	FAW-TB03-102913			10-29					1															X		-005
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
* sample (FAW-MW02(0-2)-102913) is MS/MSD	Dustin Bates	10-29-13	1430		10/29/13	1445	5.4	Y	X	Y
metals: Al, Sb, As, Ba, Be, Cd, Ca, Co, Cu, Pb, Mg, Mn, Ni, Se, Ag, Tl, V, Zn							4.6	Y	Y	Y
James Johns 10/30/13 1030										

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Dustin Bates
SIGNATURE of SAMPLER: Dustin Bates
DATE Signed (MM/DD/YY): 10/29/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Weston Project # 5089109

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Date/Time 5035A kits placed in freezer 1135

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used 1 2 3 4 6 A B C D E **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 5.4, 4.6 **Ice Visible in Sample Containers:** ☐ yes ☒ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10/30/13 JJ

Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☒No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	6.
Containers Intact:	☒Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☒N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☒N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	10.
Trip Blank Present:	☒Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☒Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	12.
Sufficient Volume:	☒Yes	☐No	☐N/A	13.
Correct Containers Used:	☒Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Laura Funk Date/Time: 10/30/13 email

Comments/ Resolution:

Hold Samples -003 + -004 units) authorized to continue per Laura Funk 10/30/13

Project Manager Review: Kenneth Funk **Date:** 10/30/13

Sample Container Count

CLIENT: Weston

COC PAGE 1 of 1

COC ID# _____

Project # 5089109

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1			7		24											
2			3		8											
3			2		8											
4			2		8											
5	1															
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 11, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161179
Project ID: 5089109/WESTON SOLUTION

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on October 31, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161179

Client: PASI Indianapolis

Project ID: 5089109/WESTON SOLUTION

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/11/2013 17:01:58

Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161179

Client: PASI Indianapolis

Project ID: 5089109/WESTON SOLUTION

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-MW02(0-2)-102913	201139762	Soil	29-Oct-13 08:25	31-Oct-13 09:20

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161179

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

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St. Rose, LA 70087
(504) 469-0333

QC Cross Reference

Project: 20161179

Analytical Method	Batch	Sample used for QC
Dry Weight Moisture	220749	Project sample FAW-MW02(0-2)-102913
ASTM D2974	221077	Project sample FAW-MW02(0-2)-102913
ASTM D2974	221077	Client sample FAW-SB08(2-4)-110113 from project 20161344

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

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Sample Results

Client: PASI Indianapolis

Client ID: FAW-MW02(0-2)-102913
Project: 20161179
Project ID: 5089109/WESTON SOLUTION
Site: None
Lab ID: 201139762
Matrix: Soil
%Moisture: 4.7 Not Corrected
Description: None

Collected: 29-Oct-13
Received: 31-Oct-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	221077	1	3.03		% (w/w)	0.100	08-Nov-13	08-Nov-13 12:41 JMA	

1 parameter(s) reported

Inorganics 11/11/2013 17:03:10

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

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Project: 20161179

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	221077	<0.100	% (w/w)										61 *			20	
Fractional Organic C	221077	<0.100	% (w/w)										31 *			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

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Project: 20161179

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
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St. Rose, LA 7008
(504) 469-033

Chains of Custody

Chain of Custody

20161179 PASI-INDI

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www.pacelabs.com

Workorder: 5089109 **Workorder Name:** FAW 20405.016.008.2234.00 **Owner Received Date:** 10/30/2013 **Results Requested By:** 11/12/2013

Report To	Subcontract To
Kenneth Hunt Pace Analytical Services, Inc. 7726 Moller Road Indianapolis, IN 46268 Phone (317)875-5894 Fax (317)872-6189	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: WGFU	Requested Analysis: FOC, ASTM Method	LAB USE ONLY
1	FAW-MW02(0-2)-102913	RQS	10/29/2013 08:25	5089109001	Solid	2	X	20113 8738
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Marcia Bennett	10/30/13 12:46		
2	Fedex	10-31-13 0920	J Miller	10-31-13
3				

Comments

0920

Cooler Temperature on Receipt 4.1 °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

50/L4

H.S.

Pace Analytical

1000 Riverbend. Blvd
St. Rose, LA 70087

20161179 PASI-INDI

Courier: ☐ Pace Courier ☐ Hired Courier ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☑Yes ☐No

Therometer Used: ☐ Therm Fisher IR 5 ☐ Therm Fisher IR 6 ☑ Therm Fisher IR 7

Type of Ice: (Wet) Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10-31-13 tk-B

Temp must be measured from Temperature blank when present

		Comments:
Temperature Blank Present"?	☐Yes ☐No ☑N/A	1
Chain of Custody Present:	☑Yes ☐No ☐N/A	2
Chain of Custody Complete:	☑Yes ☐No ☐N/A	3
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	6
Sufficient Volume:	☑Yes ☐No ☐N/A	7
Correct Containers Used:	☑Yes ☐No ☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes ☐No ☑N/A	9
Sample Labels match COC:	☑Yes ☐No ☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes ☐No ☐N/A	11
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐Yes ☐No ☑N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	13 If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14
Trip Blank Present:	☐Yes ☑No	15

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 15Feb2013 SCUR Form - mod

Pace Analytical Services, Inc.
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Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

November 13, 2013

Ms. Laura Funk
Weston Solutions
711 East Monument Ave
Dayton, OH 45402

RE: Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Dear Ms. Funk:
Enclosed are the analytical results for sample(s) received by the laboratory on October 30, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

CERTIFICATIONS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

REPORT OF LABORATORY ANALYSIS

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(317)875-5894

SAMPLE SUMMARY

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5089111001	**FAW-MW03(0-2)-102913**	Solid	10/29/13 12:35	10/30/13 11:45
5089111002	**FAW-MW03(2-4)-102913**	Solid	10/29/13 12:40	10/30/13 11:45
5089111003	**FAW-MW03(4-6)-102913**	Solid	10/29/13 12:52	10/30/13 11:45
5089111006	**FAW-TB04-102913**	Water	10/29/13 08:00	10/30/13 11:45
5089111007	**FAW-IDW02-102913**	Solid	10/29/13 14:00	10/30/13 11:45

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(317)875-5894

SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5089111001	**FAW-MW03(0-2)-102913**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	HEB	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089111002	**FAW-MW03(2-4)-102913**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	GRM	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
		EPA 9045	TPD	1	PASI-I
5089111003	**FAW-MW03(4-6)-102913**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	ALA, GRM	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089111006	**FAW-TB04-102913**	EPA 8260	DAE	68	PASI-I
5089111007	**FAW-IDW02-102913**	EPA 6010	LLB	7	PASI-I
		EPA 7470	LLB	1	PASI-I
		EPA 8270	KES	18	PASI-I
		EPA 8260	ALA	13	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
		EPA 1010	WDB	1	PASI-I

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(614)486-5421

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(0-2)-102913 **Lab ID: 5089111001** Collected: 10/29/13 12:35 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**185**	mg/kg	23.9	6.0	1	10/30/13 21:00	10/31/13 18:37		
TPH (C10-C20)	**25.5**	mg/kg	12.0	6.0	1	10/30/13 21:00	10/31/13 18:37		
TPH (C20-C34)	**159**	mg/kg	12.0	6.0	1	10/30/13 21:00	10/31/13 18:37		
Surrogates									
n-Pentacosane (S)	235	%.	30-153		1	10/30/13 21:00	10/31/13 18:37	629-99-2	5d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	598	299	5	10/30/13 21:00	11/01/13 13:20	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	598	299	5	10/30/13 21:00	11/01/13 13:20	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	598	299	5	10/30/13 21:00	11/01/13 13:20	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	598	299	5	10/30/13 21:00	11/01/13 13:20	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	598	299	5	10/30/13 21:00	11/01/13 13:20	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	598	299	5	10/30/13 21:00	11/01/13 13:20	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	598	299	5	10/30/13 21:00	11/01/13 13:20	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	57	%.	30-106		5	10/30/13 21:00	11/01/13 13:20	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.94	0.47	1		11/07/13 14:49		
Surrogates									
4-Bromofluorobenzene (S)	108	%.	38-163		1		11/07/13 14:49	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**12900**	mg/kg	59.7	29.8	1	10/31/13 11:07	11/01/13 08:14	7429-90-5	
Antimony	ND	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-36-0	
Arsenic	**20.1**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-38-2	
Barium	**103**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-39-3	
Beryllium	**0.93**	mg/kg	0.60	0.30	1	10/31/13 11:07	11/01/13 08:14	7440-41-7	
Cadmium	ND	mg/kg	2.4	0.60	1	10/31/13 11:07	11/01/13 08:14	7440-43-9	
Chromium	**20.8**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-47-3	
Cobalt	**17.6**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-48-4	
Copper	**49.2**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-50-8	
Lead	**468**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7439-92-1	
Nickel	**27.9**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-02-0	
Selenium	ND	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7782-49-2	
Silver	ND	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-22-4	
Thallium	ND	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-28-0	
Vanadium	**23.1**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-62-2	
Zinc	**176**	mg/kg	2.4	1.2	1	10/31/13 11:07	11/01/13 08:14	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.29**	mg/kg	0.24	0.21	1	11/04/13 11:45	11/05/13 11:34	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(0-2)-102913 **Lab ID: 5089111001** Collected: 10/29/13 12:35 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	83-32-9	
Acenaphthylene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	208-96-8	
Anthracene	**2270J**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	120-12-7	
Benzo(a)anthracene	**4620**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	56-55-3	
Benzo(a)pyrene	**4220**	ug/kg	2060	1990	10	10/30/13 21:00	11/02/13 05:06	50-32-8	
Benzo(b)fluoranthene	**5380**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	205-99-2	
Benzo(g,h,i)perylene	**2570J**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	191-24-2	
Benzo(k)fluoranthene	**2440J**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	207-08-9	
Benzyl alcohol	ND	ug/kg	7980	3990	10	10/30/13 21:00	11/02/13 05:06	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7980	3990	10	10/30/13 21:00	11/02/13 05:06	59-50-7	
4-Chloroaniline	ND	ug/kg	7980	3990	10	10/30/13 21:00	11/02/13 05:06	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	91-58-7	
2-Chlorophenol	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	7005-72-3	
Chrysene	**5150**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2060	1990	10	10/30/13 21:00	11/02/13 05:06	53-70-3	
Dibenzofuran	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	120-83-2	
Diethylphthalate	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	105-67-9	
Dimethylphthalate	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19300	9670	10	10/30/13 21:00	11/02/13 05:06	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19300	19300	10	10/30/13 21:00	11/02/13 05:06	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	117-81-7	
Fluoranthene	**13400**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	206-44-0	
Fluorene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3990	3990	10	10/30/13 21:00	11/02/13 05:06	77-47-4	
Hexachloroethane	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	67-72-1	
Indeno(1,2,3-cd)pyrene	**2850J**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	193-39-5	
Isophorone	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7980	3990	10	10/30/13 21:00	11/02/13 05:06		
Naphthalene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	91-20-3	
2-Nitroaniline	ND	ug/kg	19300	9670	10	10/30/13 21:00	11/02/13 05:06	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(0-2)-102913 **Lab ID: 5089111001** Collected: 10/29/13 12:35 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	19300	9670	10	10/30/13 21:00	11/02/13 05:06	99-09-2	
4-Nitroaniline	ND	ug/kg	19300	9670	10	10/30/13 21:00	11/02/13 05:06	100-01-6	
Nitrobenzene	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	98-95-3	
2-Nitrophenol	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	88-75-5	
4-Nitrophenol	ND	ug/kg	19300	9670	10	10/30/13 21:00	11/02/13 05:06	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	86-30-6	
Phenanthrene	**11100**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	85-01-8	
Phenol	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	108-95-2	1d
Pyrene	**10700**	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3990	1990	10	10/30/13 21:00	11/02/13 05:06	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	55	%.	28-101		10	10/30/13 21:00	11/02/13 05:06	4165-60-0	
2-Fluorobiphenyl (S)	60	%.	31-94		10	10/30/13 21:00	11/02/13 05:06	321-60-8	
p-Terphenyl-d14 (S)	78	%.	26-110		10	10/30/13 21:00	11/02/13 05:06	1718-51-0	
Phenol-d5 (S)	56	%.	28-101		10	10/30/13 21:00	11/02/13 05:06	4165-62-2	
2-Fluorophenol (S)	58	%.	24-104		10	10/30/13 21:00	11/02/13 05:06	367-12-4	
2,4,6-Tribromophenol (S)	55	%.	16-122		10	10/30/13 21:00	11/02/13 05:06	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.091	0.046	1		11/08/13 16:41	67-64-1	
Acrolein	ND	mg/kg	0.091	0.046	1		11/08/13 16:41	107-02-8	
Benzene	ND	mg/kg	0.0046	0.00091	1		11/08/13 16:41	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-27-4	
Bromoform	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	0.011	1		11/08/13 16:41	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	98-06-6	
Carbon disulfide	ND	mg/kg	0.0091	0.0023	1		11/08/13 16:41	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	108-90-7	
Chloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	124-48-1	
Dibromomethane	ND	mg/kg	0.0046	0.0029	1		11/08/13 16:41	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(0-2)-102913 **Lab ID: 5089111001** Collected: 10/29/13 12:35 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.091	0.046	1		11/08/13 16:41	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.091	0.046	1		11/08/13 16:41	97-63-2	
n-Hexane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	110-54-3	N2
2-Hexanone	ND	mg/kg	0.091	0.046	1		11/08/13 16:41	591-78-6	
Iodomethane	ND	mg/kg	0.091	0.046	1		11/08/13 16:41	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0091	1		11/08/13 16:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	0.011	1		11/08/13 16:41	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0013	1		11/08/13 16:41	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	103-65-1	
Styrene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0017	1		11/08/13 16:41	127-18-4	
Toluene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.0016	1		11/08/13 16:41	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	108-67-8	
Vinyl acetate	ND	mg/kg	0.091	0.046	1		11/08/13 16:41	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	0.0023	1		11/08/13 16:41	75-01-4	
Xylene (Total)	ND	mg/kg	0.0091	0.0046	1		11/08/13 16:41	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	86	%.	85-118		1		11/08/13 16:41	1868-53-7	2d
Toluene-d8 (S)	119	%.	71-128		1		11/08/13 16:41	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(0-2)-102913 **Lab ID: 5089111001** Collected: 10/29/13 12:35 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	82	%.	56-144		1		11/08/13 16:41	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.6**	%	0.10	0.10	1		10/31/13 12:02		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(2-4)-102913 **Lab ID: 5089111002** Collected: 10/29/13 12:40 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**253**	mg/kg	240	60.1	10	10/30/13 21:00	10/31/13 16:44		
TPH (C10-C20)	ND	mg/kg	120	60.1	10	10/30/13 21:00	10/31/13 16:44		
TPH (C20-C34)	**205**	mg/kg	120	60.1	10	10/30/13 21:00	10/31/13 16:44		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	10/30/13 21:00	10/31/13 16:44	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	599	299	5	10/30/13 21:00	11/01/13 13:26	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	599	299	5	10/30/13 21:00	11/01/13 13:26	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	599	299	5	10/30/13 21:00	11/01/13 13:26	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	599	299	5	10/30/13 21:00	11/01/13 13:26	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	599	299	5	10/30/13 21:00	11/01/13 13:26	12672-29-6	
PCB-1254 (Aroclor 1254)	**516J**	ug/kg	599	299	5	10/30/13 21:00	11/01/13 13:26	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	599	299	5	10/30/13 21:00	11/01/13 13:26	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	60	%.	30-106		5	10/30/13 21:00	11/01/13 13:26	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.84	0.42	1		11/07/13 15:14		
Surrogates									
4-Bromofluorobenzene (S)	118	%.	38-163		1		11/07/13 15:14	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**12500**	mg/kg	54.8	27.4	1	10/31/13 11:07	11/01/13 08:16	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-36-0	
Arsenic	**19.6**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-38-2	
Barium	**78.0**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-39-3	
Beryllium	**0.88**	mg/kg	0.55	0.27	1	10/31/13 11:07	11/01/13 08:16	7440-41-7	
Cadmium	ND	mg/kg	2.2	0.55	1	10/31/13 11:07	11/01/13 08:16	7440-43-9	
Chromium	**24.1**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-47-3	
Cobalt	**14.6**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-48-4	
Copper	**47.9**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-50-8	
Lead	**592**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7439-92-1	
Nickel	**30.8**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-28-0	
Vanadium	**24.0**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-62-2	
Zinc	**117**	mg/kg	2.2	1.1	1	10/31/13 11:07	11/01/13 08:16	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.75**	mg/kg	0.24	0.20	1	11/04/13 11:45	11/05/13 11:36	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(2-4)-102913 **Lab ID: 5089111002** Collected: 10/29/13 12:40 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**1020**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	83-32-9	
Acenaphthylene	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	208-96-8	
Anthracene	**1980**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	120-12-7	
Benzo(a)anthracene	**2750**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	56-55-3	
Benzo(a)pyrene	**2440**	ug/kg	205	199	1	10/30/13 21:00	11/01/13 21:12	50-32-8	
Benzo(b)fluoranthene	**3040**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	205-99-2	
Benzo(g,h,i)perylene	**1430**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	191-24-2	
Benzo(k)fluoranthene	**1590**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	207-08-9	
Benzyl alcohol	ND	ug/kg	796	398	1	10/30/13 21:00	11/01/13 21:12	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	101-55-3	
Butylbenzylphthalate	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	796	398	1	10/30/13 21:00	11/01/13 21:12	59-50-7	
4-Chloroaniline	ND	ug/kg	796	398	1	10/30/13 21:00	11/01/13 21:12	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	108-60-1	
2-Chloronaphthalene	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	91-58-7	
2-Chlorophenol	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	7005-72-3	
Chrysene	**2900**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	218-01-9	
Dibenz(a,h)anthracene	**419**	ug/kg	205	199	1	10/30/13 21:00	11/01/13 21:12	53-70-3	
Dibenzofuran	**824**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	120-83-2	
Diethylphthalate	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	105-67-9	
Dimethylphthalate	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	131-11-3	
Di-n-butylphthalate	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1930	965	1	10/30/13 21:00	11/01/13 21:12	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1930	1930	1	10/30/13 21:00	11/01/13 21:12	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	606-20-2	
Di-n-octylphthalate	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	117-81-7	
Fluoranthene	**4280**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	206-44-0	
Fluorene	**1120**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	398	398	1	10/30/13 21:00	11/01/13 21:12	77-47-4	
Hexachloroethane	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	67-72-1	
Indeno(1,2,3-cd)pyrene	**1610**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	193-39-5	
Isophorone	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	78-59-1	
2-Methylnaphthalene	**433**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	796	398	1	10/30/13 21:00	11/01/13 21:12		
Naphthalene	**784**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	91-20-3	
2-Nitroaniline	ND	ug/kg	1930	965	1	10/30/13 21:00	11/01/13 21:12	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(2-4)-102913 **Lab ID: 5089111002** Collected: 10/29/13 12:40 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1930	965	1	10/30/13 21:00	11/01/13 21:12	99-09-2	
4-Nitroaniline	ND	ug/kg	1930	965	1	10/30/13 21:00	11/01/13 21:12	100-01-6	
Nitrobenzene	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	98-95-3	
2-Nitrophenol	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	88-75-5	
4-Nitrophenol	ND	ug/kg	1930	965	1	10/30/13 21:00	11/01/13 21:12	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	86-30-6	
Phenanthrene	**6170**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	85-01-8	
Phenol	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	108-95-2	
Pyrene	**5300**	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	398	199	1	10/30/13 21:00	11/01/13 21:12	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	61	%.	28-101		1	10/30/13 21:00	11/01/13 21:12	4165-60-0	
2-Fluorobiphenyl (S)	66	%.	31-94		1	10/30/13 21:00	11/01/13 21:12	321-60-8	
p-Terphenyl-d14 (S)	83	%.	26-110		1	10/30/13 21:00	11/01/13 21:12	1718-51-0	
Phenol-d5 (S)	70	%.	28-101		1	10/30/13 21:00	11/01/13 21:12	4165-62-2	
2-Fluorophenol (S)	69	%.	24-104		1	10/30/13 21:00	11/01/13 21:12	367-12-4	
2,4,6-Tribromophenol (S)	70	%.	16-122		1	10/30/13 21:00	11/01/13 21:12	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.083	0.042	1		11/08/13 06:50	67-64-1	
Acrolein	ND	mg/kg	0.083	0.042	1		11/08/13 06:50	107-02-8	
Benzene	ND	mg/kg	0.0042	0.00083	1		11/08/13 06:50	71-43-2	
Bromobenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	108-86-1	
Bromochloromethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-27-4	
Bromoform	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-25-2	
Bromomethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.021	0.010	1		11/08/13 06:50	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	98-06-6	
Carbon disulfide	ND	mg/kg	0.0083	0.0021	1		11/08/13 06:50	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	56-23-5	
Chlorobenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	108-90-7	
Chloroethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-00-3	
Chloroform	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	67-66-3	
Chloromethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	124-48-1	
Dibromomethane	ND	mg/kg	0.0042	0.0027	1		11/08/13 06:50	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(2-4)-102913 **Lab ID: 5089111002** Collected: 10/29/13 12:40 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.083	0.042	1		11/08/13 06:50	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.083	0.042	1		11/08/13 06:50	97-63-2	
n-Hexane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	110-54-3	N2
2-Hexanone	ND	mg/kg	0.083	0.042	1		11/08/13 06:50	591-78-6	
Iodomethane	ND	mg/kg	0.083	0.042	1		11/08/13 06:50	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	99-87-6	
Methylene Chloride	ND	mg/kg	0.017	0.0083	1		11/08/13 06:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.021	0.010	1		11/08/13 06:50	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0042	0.0012	1		11/08/13 06:50	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	103-65-1	
Styrene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0042	0.0016	1		11/08/13 06:50	127-18-4	
Toluene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	79-00-5	
Trichloroethene	ND	mg/kg	0.0042	0.0014	1		11/08/13 06:50	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-69-4	
1,2,4-Trimethylbenzene	**0.0052**	mg/kg	0.0042	0.0021	1		11/08/13 06:50	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	108-67-8	
Vinyl acetate	ND	mg/kg	0.083	0.042	1		11/08/13 06:50	108-05-4	
Vinyl chloride	ND	mg/kg	0.0042	0.0021	1		11/08/13 06:50	75-01-4	
Xylene (Total)	ND	mg/kg	0.0083	0.0042	1		11/08/13 06:50	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	92	%.	85-118		1		11/08/13 06:50	1868-53-7	
Toluene-d8 (S)	110	%.	71-128		1		11/08/13 06:50	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(2-4)-102913 **Lab ID: 5089111002** Collected: 10/29/13 12:40 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	94	%.	56-144		1		11/08/13 06:50	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.1**	%	0.10	0.10	1		10/31/13 12:02		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.5**	Std. Units	0.10		1		10/31/13 14:19		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(4-6)-102913 **Lab ID: 5089111003** Collected: 10/29/13 12:52 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**2370**	mg/kg	232	58.1	10	10/30/13 21:00	10/31/13 16:37		
TPH (C10-C20)	**565**	mg/kg	116	58.1	10	10/30/13 21:00	10/31/13 16:37		
TPH (C20-C34)	**1810**	mg/kg	116	58.1	10	10/30/13 21:00	10/31/13 16:37		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	10/30/13 21:00	10/31/13 16:37	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	579	290	5	10/30/13 21:00	11/01/13 13:32	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	579	290	5	10/30/13 21:00	11/01/13 13:32	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	579	290	5	10/30/13 21:00	11/01/13 13:32	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	579	290	5	10/30/13 21:00	11/01/13 13:32	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	579	290	5	10/30/13 21:00	11/01/13 13:32	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	579	290	5	10/30/13 21:00	11/01/13 13:32	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	579	290	5	10/30/13 21:00	11/01/13 13:32	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	50	%.	30-106		5	10/30/13 21:00	11/01/13 13:32	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.80	0.40	1		11/07/13 16:04		
Surrogates									
4-Bromofluorobenzene (S)	113	%.	38-163		1		11/07/13 16:04	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**10500**	mg/kg	48.5	24.3	1	10/31/13 11:07	11/01/13 08:22	7429-90-5	
Antimony	ND	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-36-0	
Arsenic	**13.9**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-38-2	
Barium	**82.8**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-39-3	
Beryllium	**0.71**	mg/kg	0.49	0.24	1	10/31/13 11:07	11/01/13 08:22	7440-41-7	
Cadmium	**0.52J**	mg/kg	1.9	0.49	1	10/31/13 11:07	11/01/13 08:22	7440-43-9	
Chromium	**17.6**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-47-3	
Cobalt	**11.8**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-48-4	
Copper	**43.9**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-50-8	
Lead	**238**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7439-92-1	
Nickel	**26.7**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-02-0	
Selenium	ND	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7782-49-2	
Silver	ND	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-22-4	
Thallium	ND	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-28-0	
Vanadium	**19.4**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-62-2	
Zinc	**133**	mg/kg	1.9	0.97	1	10/31/13 11:07	11/01/13 08:22	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.54**	mg/kg	0.24	0.21	1	11/04/13 11:45	11/05/13 11:38	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(4-6)-102913 **Lab ID: 5089111003** Collected: 10/29/13 12:52 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**21300**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	83-32-9	
Acenaphthylene	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	208-96-8	
Anthracene	**40000**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	120-12-7	
Benzo(a)anthracene	**67600**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	56-55-3	
Benzo(a)pyrene	**58300**	ug/kg	1960	1900	10	10/30/13 21:00	11/02/13 04:45	50-32-8	
Benzo(b)fluoranthene	**74100**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	205-99-2	
Benzo(g,h,i)perylene	**37100**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	191-24-2	
Benzo(k)fluoranthene	**24800**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	207-08-9	
Benzyl alcohol	ND	ug/kg	7590	3800	10	10/30/13 21:00	11/02/13 04:45	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7590	3800	10	10/30/13 21:00	11/02/13 04:45	59-50-7	
4-Chloroaniline	ND	ug/kg	7590	3800	10	10/30/13 21:00	11/02/13 04:45	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	91-58-7	
2-Chlorophenol	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	7005-72-3	
Chrysene	**65400**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	218-01-9	
Dibenz(a,h)anthracene	**10700**	ug/kg	1960	1900	10	10/30/13 21:00	11/02/13 04:45	53-70-3	
Dibenzofuran	**13600**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	120-83-2	
Diethylphthalate	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	105-67-9	
Dimethylphthalate	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	18400	9210	10	10/30/13 21:00	11/02/13 04:45	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18400	18400	10	10/30/13 21:00	11/02/13 04:45	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	117-81-7	
Fluoranthene	**176000**	ug/kg	19000	9490	50	10/30/13 21:00	11/05/13 18:39	206-44-0	
Fluorene	**22300**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3800	3800	10	10/30/13 21:00	11/02/13 04:45	77-47-4	
Hexachloroethane	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	67-72-1	
Indeno(1,2,3-cd)pyrene	**41000**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	193-39-5	
Isophorone	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	78-59-1	
2-Methylnaphthalene	**3380J**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7590	3800	10	10/30/13 21:00	11/02/13 04:45		
Naphthalene	**6170**	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	91-20-3	
2-Nitroaniline	ND	ug/kg	18400	9210	10	10/30/13 21:00	11/02/13 04:45	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(4-6)-102913 **Lab ID: 5089111003** Collected: 10/29/13 12:52 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	18400	9210	10	10/30/13 21:00	11/02/13 04:45	99-09-2	
4-Nitroaniline	ND	ug/kg	18400	9210	10	10/30/13 21:00	11/02/13 04:45	100-01-6	
Nitrobenzene	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	98-95-3	
2-Nitrophenol	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	88-75-5	
4-Nitrophenol	ND	ug/kg	18400	9210	10	10/30/13 21:00	11/02/13 04:45	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	86-30-6	
Phenanthrene	**158000**	ug/kg	19000	9490	50	10/30/13 21:00	11/05/13 18:39	85-01-8	
Phenol	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	108-95-2	1d
Pyrene	**137000**	ug/kg	19000	9490	50	10/30/13 21:00	11/05/13 18:39	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3800	1900	10	10/30/13 21:00	11/02/13 04:45	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	35	%.	28-101		10	10/30/13 21:00	11/02/13 04:45	4165-60-0	
2-Fluorobiphenyl (S)	41	%.	31-94		10	10/30/13 21:00	11/02/13 04:45	321-60-8	
p-Terphenyl-d14 (S)	54	%.	26-110		10	10/30/13 21:00	11/02/13 04:45	1718-51-0	
Phenol-d5 (S)	35	%.	28-101		10	10/30/13 21:00	11/02/13 04:45	4165-62-2	
2-Fluorophenol (S)	37	%.	24-104		10	10/30/13 21:00	11/02/13 04:45	367-12-4	
2,4,6-Tribromophenol (S)	38	%.	16-122		10	10/30/13 21:00	11/02/13 04:45	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**0.085J**	mg/kg	0.092	0.046	1		11/08/13 07:23	67-64-1	
Acrolein	ND	mg/kg	0.092	0.046	1		11/08/13 07:23	107-02-8	
Benzene	**0.012**	mg/kg	0.0046	0.00092	1		11/08/13 07:23	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-27-4	
Bromoform	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	0.011	1		11/08/13 07:23	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	104-51-8	
sec-Butylbenzene	**0.0051**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	98-06-6	
Carbon disulfide	ND	mg/kg	0.0092	0.0023	1		11/08/13 07:23	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	108-90-7	
Chloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	124-48-1	
Dibromomethane	ND	mg/kg	0.0046	0.0029	1		11/08/13 07:23	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(4-6)-102913 **Lab ID: 5089111003** Collected: 10/29/13 12:52 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.092	0.046	1		11/08/13 07:23	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	10061-02-6	
Ethylbenzene	**0.060**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.092	0.046	1		11/08/13 07:23	97-63-2	
n-Hexane	**0.0070**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	110-54-3	N2
2-Hexanone	ND	mg/kg	0.092	0.046	1		11/08/13 07:23	591-78-6	
Iodomethane	ND	mg/kg	0.092	0.046	1		11/08/13 07:23	74-88-4	
Isopropylbenzene (Cumene)	**0.0086**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	98-82-8	
p-Isopropyltoluene	**0.0061**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0092	1		11/08/13 07:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	0.011	1		11/08/13 07:23	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0013	1		11/08/13 07:23	1634-04-4	
n-Propylbenzene	**0.035**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	103-65-1	
Styrene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0017	1		11/08/13 07:23	127-18-4	
Toluene	**0.10**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.0016	1		11/08/13 07:23	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-69-4	
1,2,4-Trimethylbenzene	**1.8**	mg/kg	0.15	0.073	25		11/08/13 15:51	95-63-6	
1,3,5-Trimethylbenzene	**0.14**	mg/kg	0.0046	0.0023	1		11/08/13 07:23	108-67-8	
Vinyl acetate	ND	mg/kg	0.092	0.046	1		11/08/13 07:23	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	0.0023	1		11/08/13 07:23	75-01-4	
Xylene (Total)	**0.46**	mg/kg	0.0092	0.0046	1		11/08/13 07:23	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	97	%.	85-118		1		11/08/13 07:23	1868-53-7	
Toluene-d8 (S)	115	%.	71-128		1		11/08/13 07:23	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-MW03(4-6)-102913 **Lab ID: 5089111003** Collected: 10/29/13 12:52 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	86	%.	56-144		1		11/08/13 07:23	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.0**	%	0.10	0.10	1		10/31/13 12:03		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-TB04-102913 **Lab ID: 5089111006** Collected: 10/29/13 08:00 Received: 10/30/13 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/07/13 21:01	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/07/13 21:01	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/07/13 21:01	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/07/13 21:01	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/07/13 21:01	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/07/13 21:01	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/07/13 21:01	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-25-2	
Bromomethane	ND	ug/L	5.0	3.9	1		11/07/13 21:01	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/07/13 21:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/07/13 21:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/07/13 21:01	67-66-3	
Chloromethane	ND	ug/L	5.0	3.0	1		11/07/13 21:01	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.7	1		11/07/13 21:01	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/07/13 21:01	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	100-41-4	
Iodomethane	ND	ug/L	10.0	5.3	1		11/07/13 21:01	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/07/13 21:01	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/07/13 21:01	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-TB04-102913 **Lab ID: 5089111006** Collected: 10/29/13 08:00 Received: 10/30/13 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.4	1		11/07/13 21:01	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.1	1		11/07/13 21:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/07/13 21:01	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.2	1		11/07/13 21:01	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/07/13 21:01	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/07/13 21:01	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/07/13 21:01	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/07/13 21:01	110-57-6	
Surrogates									
Dibromofluoromethane (S)	105	%.	79-116		1		11/07/13 21:01	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	80-114		1		11/07/13 21:01	460-00-4	
Toluene-d8 (S)	96	%.	81-110		1		11/07/13 21:01	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-IDW02-102913 **Lab ID: 5089111007** Collected: 10/29/13 14:00 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 11/01/13 12:35								
Arsenic	**0.013**	mg/L	0.010	0.0050	1	11/05/13 14:10	11/06/13 13:22	7440-38-2	
Barium	**0.56**	mg/L	0.50	0.010	1	11/05/13 14:10	11/06/13 13:22	7440-39-3	
Cadmium	**0.0031J**	mg/L	0.0050	0.0025	1	11/05/13 14:10	11/06/13 13:22	7440-43-9	
Chromium	**0.014**	mg/L	0.010	0.0050	1	11/05/13 14:10	11/06/13 13:22	7440-47-3	
Lead	**0.060**	mg/L	0.010	0.0040	1	11/05/13 14:10	11/06/13 13:22	7439-92-1	
Selenium	ND	mg/L	0.010	0.0050	1	11/05/13 14:10	11/06/13 13:22	7782-49-2	
Silver	ND	mg/L	0.050	0.025	1	11/05/13 14:10	11/06/13 13:22	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Leachate Method/Date: EPA 1311; 11/01/13 12:35								
Mercury	ND	mg/L	0.00067	0.00033	1	11/05/13 10:15	11/06/13 14:56	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 11/01/13 12:37								
1,4-Dichlorobenzene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	87-68-3	
Hexachlorobenzene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	118-74-1	
Hexachloroethane	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	200	100	1	11/05/13 13:36	11/05/13 20:20		
Nitrobenzene	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	98-95-3	
Pentachlorophenol	ND	ug/L	500	250	1	11/05/13 13:36	11/05/13 20:20	87-86-5	
Pyridine	ND	ug/L	100	100	1	11/05/13 13:36	11/05/13 20:20	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	500	50.0	1	11/05/13 13:36	11/05/13 20:20	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	50.0	1	11/05/13 13:36	11/05/13 20:20	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	80	%.	29-126		1	11/05/13 13:36	11/05/13 20:20	4165-60-0	
2-Fluorobiphenyl (S)	78	%.	31-118		1	11/05/13 13:36	11/05/13 20:20	321-60-8	
p-Terphenyl-d14 (S)	94	%.	28-129		1	11/05/13 13:36	11/05/13 20:20	1718-51-0	
Phenol-d5 (S)	21	%.	10-47		1	11/05/13 13:36	11/05/13 20:20	4165-62-2	
2-Fluorophenol (S)	41	%.	10-67		1	11/05/13 13:36	11/05/13 20:20	367-12-4	
2,4,6-Tribromophenol (S)	96	%.	31-161		1	11/05/13 13:36	11/05/13 20:20	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 11/05/13 12:00								
Benzene	ND	ug/L	50.0		1		11/11/13 17:12	71-43-2	
2-Butanone (MEK)	ND	ug/L	1000		1		11/11/13 17:12	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0		1		11/11/13 17:12	56-23-5	
Chlorobenzene	ND	ug/L	50.0		1		11/11/13 17:12	108-90-7	
Chloroform	ND	ug/L	50.0		1		11/11/13 17:12	67-66-3	
1,2-Dichloroethane	ND	ug/L	50.0		1		11/11/13 17:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0		1		11/11/13 17:12	75-35-4	
Tetrachloroethene	ND	ug/L	50.0		1		11/11/13 17:12	127-18-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Sample: FAW-IDW02-102913 **Lab ID: 5089111007** Collected: 10/29/13 14:00 Received: 10/30/13 11:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 11/05/13 12:00								
Trichloroethene	ND	ug/L	50.0		1		11/11/13 17:12	79-01-6	
Vinyl chloride	ND	ug/L	20.0		1		11/11/13 17:12	75-01-4	
Surrogates									
Toluene-d8 (S)	93	%.	81-110		1		11/11/13 17:12	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	80-114		1		11/11/13 17:12	460-00-4	
Dibromofluoromethane (S)	100	%.	79-116		1		11/11/13 17:12	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.4**	%	0.10	0.10	1		10/31/13 12:03		
1010 Flashpoint,Closed Cup	Analytical Method: EPA 1010								
Flashpoint	**>180**	deg F		78.0	1		10/31/13 14:14		

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

QC Batch: GCV/17349 Analysis Method: EPA 8015 Mod Pur
QC Batch Method: EPA 8015 Mod Pur Analysis Description: 8015 GRO 5035
Associated Lab Samples: 5089111001, 5089111002, 5089111003

METHOD BLANK: 1008840 Matrix: Solid
Associated Lab Samples: 5089111001, 5089111002, 5089111003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C12)	mg/kg	ND	1.0	11/07/13 11:55	
4-Bromofluorobenzene (S)	%.	99	38-163	11/07/13 11:55	

LABORATORY CONTROL SAMPLE: 1008841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C12)	mg/kg	10	10.0	100	75-139	
4-Bromofluorobenzene (S)	%.			101	38-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1008842 1008843

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C06-C12)	mg/kg	ND	8.5	8.8	7.5	7.9	88	89	10-151	5	20	
4-Bromofluorobenzene (S)	%.						118	124	38-163		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

QC Batch: MERP/5013
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 5089111007

METHOD BLANK: 1007442 Matrix: Water
Associated Lab Samples: 5089111007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00067	11/06/13 14:47	

LABORATORY CONTROL SAMPLE: 1007443

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.005	0.0050	100	80-120	

MATRIX SPIKE SAMPLE: 1007444

Parameter	Units	5089046005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	ND	.005	0.0051	100	75-125	

MATRIX SPIKE SAMPLE: 1007445

Parameter	Units	5089111007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	ND	.005	0.0052	102	75-125	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

QC Batch: MERP/5005 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 5089111001, 5089111002, 5089111003

METHOD BLANK: 1006119 Matrix: Solid
Associated Lab Samples: 5089111001, 5089111002, 5089111003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.20	11/05/13 10:38	

LABORATORY CONTROL SAMPLE: 1006120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.49	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006121 1006122

Parameter	Units	5089136003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	.77	.71	0.82	0.72	101	97	75-125	13	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006123 1006124

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.21J	.53	.52	0.74	0.82	99	118	75-125	10	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

QC Batch: MPRP/12359 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5089111001, 5089111002, 5089111003

METHOD BLANK: 1005530 Matrix: Solid
Associated Lab Samples: 5089111001, 5089111002, 5089111003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	50.0	11/01/13 07:56	
Antimony	mg/kg	ND	2.0	11/01/13 07:56	
Arsenic	mg/kg	ND	2.0	11/01/13 07:56	
Barium	mg/kg	ND	2.0	11/01/13 07:56	
Beryllium	mg/kg	ND	0.50	11/01/13 07:56	
Cadmium	mg/kg	ND	2.0	11/01/13 07:56	
Chromium	mg/kg	ND	2.0	11/01/13 07:56	
Cobalt	mg/kg	ND	2.0	11/01/13 07:56	
Copper	mg/kg	ND	2.0	11/01/13 07:56	
Lead	mg/kg	ND	2.0	11/01/13 07:56	
Nickel	mg/kg	ND	2.0	11/01/13 07:56	
Selenium	mg/kg	ND	2.0	11/01/13 07:56	
Silver	mg/kg	ND	2.0	11/01/13 07:56	
Thallium	mg/kg	ND	2.0	11/01/13 07:56	
Vanadium	mg/kg	ND	2.0	11/01/13 07:56	
Zinc	mg/kg	ND	2.0	11/01/13 07:56	

LABORATORY CONTROL SAMPLE: 1005531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	502	100	80-120	
Antimony	mg/kg	50	50.5	101	80-120	
Arsenic	mg/kg	50	50.2	100	80-120	
Barium	mg/kg	50	50.6	101	80-120	
Beryllium	mg/kg	50	49.7	99	80-120	
Cadmium	mg/kg	50	48.8	98	80-120	
Chromium	mg/kg	50	49.9	100	80-120	
Cobalt	mg/kg	50	49.9	100	80-120	
Copper	mg/kg	50	49.8	100	80-120	
Lead	mg/kg	50	49.0	98	80-120	
Nickel	mg/kg	50	50.4	101	80-120	
Selenium	mg/kg	50	48.4	97	80-120	
Silver	mg/kg	25	24.6	98	80-120	
Thallium	mg/kg	50	48.8	98	80-120	
Vanadium	mg/kg	50	51.2	102	80-120	
Zinc	mg/kg	50	49.1	98	80-120	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1005532 1005533

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/kg	5570	481	485	9220	7240	757	343	75-125	24	20	3d,P6
Antimony	mg/kg	4.6	48.1	48.5	19.4	22.5	31	37	75-125	15	20	M3
Arsenic	mg/kg	12.6	48.1	48.5	55.4	58.2	89	94	75-125	5	20	
Barium	mg/kg	85.9	48.1	48.5	154	128	140	86	75-125	18	20	M0
Beryllium	mg/kg	0.37J	48.1	48.5	42.4	42.7	87	87	75-125	1	20	
Cadmium	mg/kg	ND	48.1	48.5	44.1	44.7	91	92	75-125	1	20	
Chromium	mg/kg	8.2	48.1	48.5	50.4	50.5	88	87	75-125	0	20	
Cobalt	mg/kg	4.8	48.1	48.5	44.2	45.0	82	83	75-125	2	20	
Copper	mg/kg	29.8	48.1	48.5	69.5	72.1	82	87	75-125	4	20	
Lead	mg/kg	159	48.1	48.5	125	139	-72	-42	75-125	11	20	M3
Nickel	mg/kg	14.0	48.1	48.5	53.6	54.8	82	84	75-125	2	20	
Selenium	mg/kg	ND	48.1	48.5	41.4	42.4	86	87	75-125	2	20	
Silver	mg/kg	ND	24.1	24.2	21.4	21.8	87	88	75-125	2	20	
Thallium	mg/kg	ND	48.1	48.5	36.8	37.5	76	77	75-125	2	20	
Vanadium	mg/kg	13.4	48.1	48.5	58.0	59.1	93	94	75-125	2	20	
Zinc	mg/kg	93.9	48.1	48.5	128	134	70	83	75-125	5	20	M0

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

QC Batch: MPRP/12380
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 5089111007

METHOD BLANK: 1007516 Matrix: Water
Associated Lab Samples: 5089111007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.010	11/06/13 11:22	
Barium	mg/L	0.012J	0.50	11/06/13 11:22	
Cadmium	mg/L	ND	0.0050	11/06/13 11:22	
Chromium	mg/L	ND	0.010	11/06/13 11:22	
Lead	mg/L	ND	0.010	11/06/13 11:22	
Selenium	mg/L	ND	0.010	11/06/13 11:22	
Silver	mg/L	ND	0.050	11/06/13 11:22	

LABORATORY CONTROL SAMPLE: 1007517

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	1	1.0	104	80-120	
Barium	mg/L	1	0.99	99	80-120	
Cadmium	mg/L	1	0.99	99	80-120	
Chromium	mg/L	1	0.92	92	80-120	
Lead	mg/L	1	0.93	93	80-120	
Selenium	mg/L	1	1.0	102	80-120	
Silver	mg/L	.5	0.51	102	80-120	

MATRIX SPIKE SAMPLE: 1007518

Parameter	Units	5089046005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.0054J	1	1.1	107	50-150	
Barium	mg/L	0.67	1	1.6	97	50-150	
Cadmium	mg/L	0.0039J	1	1.0	103	50-150	
Chromium	mg/L	ND	1	0.95	95	50-150	
Lead	mg/L	0.091	1	1.0	92	50-150	
Selenium	mg/L	ND	1	1.1	107	50-150	
Silver	mg/L	ND	.5	0.56	112	50-150	

MATRIX SPIKE SAMPLE: 1007519

Parameter	Units	5089111007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.013	1	1.1	108	50-150	
Barium	mg/L	0.56	1	1.6	101	50-150	
Cadmium	mg/L	0.0031J	1	1.0	103	50-150	
Chromium	mg/L	0.014	1	0.94	93	50-150	
Lead	mg/L	0.060	1	0.99	93	50-150	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

MATRIX SPIKE SAMPLE: 1007519

Parameter	Units	5089111007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	ND	1	1.1	107	50-150	
Silver	mg/L	ND	.5	0.54	108	50-150	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

QC Batch: MSV/59157
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 5089111007

METHOD BLANK: 1010131 Matrix: Water
Associated Lab Samples: 5089111007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	50.0	11/11/13 12:47	
1,2-Dichloroethane	ug/L	ND	50.0	11/11/13 12:47	
2-Butanone (MEK)	ug/L	ND	1000	11/11/13 12:47	
Benzene	ug/L	ND	50.0	11/11/13 12:47	
Carbon tetrachloride	ug/L	ND	50.0	11/11/13 12:47	
Chlorobenzene	ug/L	ND	50.0	11/11/13 12:47	
Chloroform	ug/L	ND	50.0	11/11/13 12:47	
Tetrachloroethene	ug/L	ND	50.0	11/11/13 12:47	
Trichloroethene	ug/L	ND	50.0	11/11/13 12:47	
Vinyl chloride	ug/L	ND	20.0	11/11/13 12:47	
4-Bromofluorobenzene (S)	%.	108	80-114	11/11/13 12:47	
Dibromofluoromethane (S)	%.	110	79-116	11/11/13 12:47	
Toluene-d8 (S)	%.	96	81-110	11/11/13 12:47	

LABORATORY CONTROL SAMPLE: 1010132

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	500	409	82	68-127	
1,2-Dichloroethane	ug/L	500	464	93	75-128	
2-Butanone (MEK)	ug/L	2500	2900	116	58-139	
Benzene	ug/L	500	442	88	74-122	
Carbon tetrachloride	ug/L	500	462	92	56-137	
Chlorobenzene	ug/L	500	520	104	78-123	
Chloroform	ug/L	500	470	94	78-126	
Tetrachloroethene	ug/L	500	511	102	69-130	
Trichloroethene	ug/L	500	489	98	76-126	
Vinyl chloride	ug/L	500	371	74	59-126	
4-Bromofluorobenzene (S)	%.			94	80-114	
Dibromofluoromethane (S)	%.			95	79-116	
Toluene-d8 (S)	%.			107	81-110	

MATRIX SPIKE SAMPLE: 1010133

Parameter	Units	5089046005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	500	473	95	55-145	
1,2-Dichloroethane	ug/L	ND	500	505	101	62-138	
2-Butanone (MEK)	ug/L	ND	2500	2490	100	37-156	
Benzene	ug/L	ND	500	475	95	62-129	
Carbon tetrachloride	ug/L	ND	500	509	102	46-142	
Chlorobenzene	ug/L	ND	500	514	103	49-136	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

MATRIX SPIKE SAMPLE: 1010133

Parameter	Units	5089046005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	ND	500	510	102	54-150	
Tetrachloroethene	ug/L	ND	500	479	96	33-151	
Trichloroethene	ug/L	ND	500	515	103	50-143	
Vinyl chloride	ug/L	ND	500	420	84	44-145	
4-Bromofluorobenzene (S)	%.				90	80-114	
Dibromofluoromethane (S)	%.				95	79-116	
Toluene-d8 (S)	%.				104	81-110	

MATRIX SPIKE SAMPLE: 1010134

Parameter	Units	5089040001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	500	464	93	55-145	
1,2-Dichloroethane	ug/L	ND	500	501	100	62-138	
2-Butanone (MEK)	ug/L	ND	2500	2300	92	37-156	
Benzene	ug/L	ND	500	488	98	62-129	
Carbon tetrachloride	ug/L	ND	500	536	107	46-142	
Chlorobenzene	ug/L	ND	500	526	105	49-136	
Chloroform	ug/L	ND	500	489	98	54-150	
Tetrachloroethene	ug/L	ND	500	466	93	33-151	
Trichloroethene	ug/L	ND	500	486	97	50-143	
Vinyl chloride	ug/L	ND	500	427	85	44-145	
4-Bromofluorobenzene (S)	%.				95	80-114	
Dibromofluoromethane (S)	%.				92	79-116	
Toluene-d8 (S)	%.				104	81-110	

MATRIX SPIKE SAMPLE: 1010135

Parameter	Units	5089062001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	500	469	94	55-145	
1,2-Dichloroethane	ug/L	ND	500	514	103	62-138	
2-Butanone (MEK)	ug/L	ND	2500	2610	105	37-156	
Benzene	ug/L	ND	500	498	100	62-129	
Carbon tetrachloride	ug/L	ND	500	545	109	46-142	
Chlorobenzene	ug/L	ND	500	526	105	49-136	
Chloroform	ug/L	ND	500	530	106	54-150	
Tetrachloroethene	ug/L	ND	500	479	96	33-151	
Trichloroethene	ug/L	ND	500	520	104	50-143	
Vinyl chloride	ug/L	ND	500	427	85	44-145	
4-Bromofluorobenzene (S)	%.				95	80-114	
Dibromofluoromethane (S)	%.				98	79-116	
Toluene-d8 (S)	%.				104	81-110	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

MATRIX SPIKE SAMPLE: 1010136

Parameter	Units	5089111007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	500	443	89	55-145	
1,2-Dichloroethane	ug/L	ND	500	503	101	62-138	
2-Butanone (MEK)	ug/L	ND	2500	2510	100	37-156	
Benzene	ug/L	ND	500	469	94	62-129	
Carbon tetrachloride	ug/L	ND	500	512	102	46-142	
Chlorobenzene	ug/L	ND	500	510	102	49-136	
Chloroform	ug/L	ND	500	504	101	54-150	
Tetrachloroethene	ug/L	ND	500	481	96	33-151	
Trichloroethene	ug/L	ND	500	502	100	50-143	
Vinyl chloride	ug/L	ND	500	406	81	44-145	
4-Bromofluorobenzene (S)	%.				94	80-114	
Dibromofluoromethane (S)	%.				99	79-116	
Toluene-d8 (S)	%.				102	81-110	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

QC Batch: MSV/59106 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5089111006

METHOD BLANK: 1009209 Matrix: Water
Associated Lab Samples: 5089111006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/07/13 13:23	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/07/13 13:23	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/07/13 13:23	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/07/13 13:23	
1,1-Dichloroethane	ug/L	ND	5.0	11/07/13 13:23	
1,1-Dichloroethene	ug/L	ND	5.0	11/07/13 13:23	
1,1-Dichloropropene	ug/L	ND	5.0	11/07/13 13:23	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/07/13 13:23	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/07/13 13:23	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/07/13 13:23	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/07/13 13:23	
1,2-Dichloroethane	ug/L	ND	5.0	11/07/13 13:23	
1,2-Dichloropropane	ug/L	ND	5.0	11/07/13 13:23	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/07/13 13:23	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/07/13 13:23	
1,3-Dichloropropane	ug/L	ND	5.0	11/07/13 13:23	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/07/13 13:23	
2,2-Dichloropropane	ug/L	ND	5.0	11/07/13 13:23	
2-Butanone (MEK)	ug/L	ND	25.0	11/07/13 13:23	
2-Chlorotoluene	ug/L	ND	5.0	11/07/13 13:23	
2-Hexanone	ug/L	ND	25.0	11/07/13 13:23	
4-Chlorotoluene	ug/L	ND	5.0	11/07/13 13:23	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/07/13 13:23	
Acetone	ug/L	ND	100	11/07/13 13:23	
Acrolein	ug/L	ND	50.0	11/07/13 13:23	
Benzene	ug/L	ND	5.0	11/07/13 13:23	
Bromobenzene	ug/L	ND	5.0	11/07/13 13:23	
Bromochloromethane	ug/L	ND	5.0	11/07/13 13:23	
Bromodichloromethane	ug/L	ND	5.0	11/07/13 13:23	
Bromoform	ug/L	ND	5.0	11/07/13 13:23	
Bromomethane	ug/L	ND	5.0	11/07/13 13:23	
Carbon disulfide	ug/L	ND	10.0	11/07/13 13:23	
Carbon tetrachloride	ug/L	ND	5.0	11/07/13 13:23	
Chlorobenzene	ug/L	ND	5.0	11/07/13 13:23	
Chloroethane	ug/L	ND	5.0	11/07/13 13:23	
Chloroform	ug/L	ND	5.0	11/07/13 13:23	
Chloromethane	ug/L	ND	5.0	11/07/13 13:23	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/07/13 13:23	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/07/13 13:23	
Dibromochloromethane	ug/L	ND	5.0	11/07/13 13:23	
Dibromomethane	ug/L	ND	5.0	11/07/13 13:23	
Dichlorodifluoromethane	ug/L	ND	5.0	11/07/13 13:23	
Ethyl methacrylate	ug/L	ND	100	11/07/13 13:23	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

METHOD BLANK: 1009209 Matrix: Water

Associated Lab Samples: 5089111006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	5.0	11/07/13 13:23	
Iodomethane	ug/L	ND	10.0	11/07/13 13:23	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/07/13 13:23	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/07/13 13:23	
Methylene Chloride	ug/L	ND	5.0	11/07/13 13:23	
n-Butylbenzene	ug/L	ND	5.0	11/07/13 13:23	
n-Hexane	ug/L	ND	5.0	11/07/13 13:23	N2
n-Propylbenzene	ug/L	ND	5.0	11/07/13 13:23	
p-Isopropyltoluene	ug/L	ND	5.0	11/07/13 13:23	
sec-Butylbenzene	ug/L	ND	5.0	11/07/13 13:23	
Styrene	ug/L	ND	5.0	11/07/13 13:23	
tert-Butylbenzene	ug/L	ND	5.0	11/07/13 13:23	
Tetrachloroethene	ug/L	ND	5.0	11/07/13 13:23	
Toluene	ug/L	ND	5.0	11/07/13 13:23	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/07/13 13:23	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/07/13 13:23	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/07/13 13:23	
Trichloroethene	ug/L	ND	5.0	11/07/13 13:23	
Trichlorofluoromethane	ug/L	ND	5.0	11/07/13 13:23	
Vinyl acetate	ug/L	ND	50.0	11/07/13 13:23	
Vinyl chloride	ug/L	ND	2.0	11/07/13 13:23	
Xylene (Total)	ug/L	ND	10.0	11/07/13 13:23	
4-Bromofluorobenzene (S)	%.	95	80-114	11/07/13 13:23	
Dibromofluoromethane (S)	%.	96	79-116	11/07/13 13:23	
Toluene-d8 (S)	%.	97	81-110	11/07/13 13:23	

LABORATORY CONTROL SAMPLE: 1009210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	42.1	84	61-135	
1,1,1-Trichloroethane	ug/L	50	50.8	102	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	50.8	102	66-126	
1,1,2-Trichloroethane	ug/L	50	48.6	97	77-130	
1,1-Dichloroethane	ug/L	50	46.3	93	75-130	
1,1-Dichloroethene	ug/L	50	44.4	89	68-127	
1,1-Dichloropropene	ug/L	50	50.6	101	78-130	
1,2,3-Trichlorobenzene	ug/L	50	47.1	94	70-130	
1,2,4-Trichlorobenzene	ug/L	50	49.4	99	68-131	
1,2,4-Trimethylbenzene	ug/L	50	48.3	97	69-127	
1,2-Dichlorobenzene	ug/L	50	50.6	101	75-123	
1,2-Dichloroethane	ug/L	50	44.2	88	75-128	
1,2-Dichloropropane	ug/L	50	53.7	107	74-121	
1,3,5-Trimethylbenzene	ug/L	50	52.5	105	70-126	
1,3-Dichlorobenzene	ug/L	50	51.1	102	74-122	
1,3-Dichloropropane	ug/L	50	52.6	105	74-123	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

LABORATORY CONTROL SAMPLE: 1009210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	49.5	99	76-120	
2,2-Dichloropropane	ug/L	50	54.9	110	50-137	
2-Butanone (MEK)	ug/L	250	265	106	58-139	
2-Chlorotoluene	ug/L	50	50.6	101	74-122	
2-Hexanone	ug/L	250	241	96	54-140	
4-Chlorotoluene	ug/L	50	55.7	111	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	237	95	58-138	
Acetone	ug/L	250	277	111	49-150	
Acrolein	ug/L	1000	884	88	41-200	
Benzene	ug/L	50	47.5	95	74-122	
Bromobenzene	ug/L	50	45.8	92	72-127	
Bromochloromethane	ug/L	50	44.4	89	63-132	
Bromodichloromethane	ug/L	50	52.9	106	62-136	
Bromoform	ug/L	50	44.0	88	44-134	
Bromomethane	ug/L	50	57.4	115	22-181	
Carbon disulfide	ug/L	100	101	101	59-132	
Carbon tetrachloride	ug/L	50	41.7	83	56-137	
Chlorobenzene	ug/L	50	47.4	95	78-123	
Chloroethane	ug/L	50	52.2	104	60-144	
Chloroform	ug/L	50	46.1	92	78-126	
Chloromethane	ug/L	50	49.5	99	42-134	
cis-1,2-Dichloroethene	ug/L	50	46.6	93	75-122	
cis-1,3-Dichloropropene	ug/L	50	46.6	93	64-126	
Dibromochloromethane	ug/L	50	45.0	90	58-128	
Dibromomethane	ug/L	50	48.4	97	73-125	
Dichlorodifluoromethane	ug/L	50	47.1	94	35-181	
Ethyl methacrylate	ug/L	200	191	96	69-133	
Ethylbenzene	ug/L	50	50.0	100	66-133	
Iodomethane	ug/L	100	88.1	88	21-170	
Isopropylbenzene (Cumene)	ug/L	50	54.3	109	69-124	
Methyl-tert-butyl ether	ug/L	100	108	108	69-122	
Methylene Chloride	ug/L	50	47.5	95	68-132	
n-Butylbenzene	ug/L	50	48.7	97	70-126	
n-Hexane	ug/L	50	53.6	107	51-125	N2
n-Propylbenzene	ug/L	50	53.5	107	71-122	
p-Isopropyltoluene	ug/L	50	49.6	99	72-132	
sec-Butylbenzene	ug/L	50	54.7	109	70-128	
Styrene	ug/L	50	54.3	109	74-126	
tert-Butylbenzene	ug/L	50	44.6	89	51-118	
Tetrachloroethene	ug/L	50	49.4	99	69-130	
Toluene	ug/L	50	47.3	95	72-122	
trans-1,2-Dichloroethene	ug/L	50	47.8	96	72-124	
trans-1,3-Dichloropropene	ug/L	50	45.1	90	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	184	92	56-133	
Trichloroethene	ug/L	50	46.0	92	76-126	
Trichlorofluoromethane	ug/L	50	43.5	87	76-149	
Vinyl acetate	ug/L	200	225	112	45-151	
Vinyl chloride	ug/L	50	49.4	99	59-126	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

LABORATORY CONTROL SAMPLE: 1009210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	155	103	70-124	
4-Bromofluorobenzene (S)	%.			96	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			98	81-110	

MATRIX SPIKE SAMPLE: 1009211

Parameter	Units	5089152015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	40.0	80	50-132	
1,1,1-Trichloroethane	ug/L	ND	50	50.8	102	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	47.1	94	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	46.9	94	61-139	
1,1-Dichloroethane	ug/L	ND	50	48.3	97	57-147	
1,1-Dichloroethene	ug/L	ND	50	47.7	95	55-145	
1,1-Dichloropropene	ug/L	ND	50	53.9	108	55-147	
1,2,3-Trichlorobenzene	ug/L	ND	50	41.9	84	31-141	
1,2,4-Trichlorobenzene	ug/L	ND	50	43.9	88	25-143	
1,2,4-Trimethylbenzene	ug/L	ND	50	46.4	93	18-149	
1,2-Dichlorobenzene	ug/L	ND	50	47.3	95	38-136	
1,2-Dichloroethane	ug/L	ND	50	46.9	94	62-138	
1,2-Dichloropropane	ug/L	ND	50	51.3	103	59-130	
1,3,5-Trimethylbenzene	ug/L	ND	50	50.4	101	20-147	
1,3-Dichlorobenzene	ug/L	ND	50	48.1	96	28-141	
1,3-Dichloropropane	ug/L	ND	50	50.4	101	62-127	
1,4-Dichlorobenzene	ug/L	ND	50	46.5	93	30-139	
2,2-Dichloropropane	ug/L	ND	50	41.9	84	37-139	
2-Butanone (MEK)	ug/L	ND	250	245	98	37-156	
2-Chlorotoluene	ug/L	ND	50	48.6	97	27-142	
2-Hexanone	ug/L	ND	250	220	88	44-143	
4-Chlorotoluene	ug/L	ND	50	52.4	105	27-144	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	218	87	46-144	
Acetone	ug/L	ND	250	261	105	39-156	
Acrolein	ug/L	ND	1000	902	90	33-200	
Benzene	ug/L	ND	50	47.3	95	62-129	
Bromobenzene	ug/L	ND	50	45.2	90	39-140	
Bromochloromethane	ug/L	ND	50	43.9	88	49-142	
Bromodichloromethane	ug/L	ND	50	51.3	103	50-142	
Bromoform	ug/L	ND	50	39.3	79	36-125	
Bromomethane	ug/L	ND	50	60.0	120	13-179	
Carbon disulfide	ug/L	ND	100	103	103	45-142	
Carbon tetrachloride	ug/L	ND	50	40.7	81	46-142	
Chlorobenzene	ug/L	ND	50	46.6	93	49-136	
Chloroethane	ug/L	ND	50	56.1	112	47-160	
Chloroform	ug/L	ND	50	48.2	96	54-150	
Chloromethane	ug/L	ND	50	47.8	96	30-148	
cis-1,2-Dichloroethene	ug/L	ND	50	47.6	95	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	38.8	78	52-123	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

MATRIX SPIKE SAMPLE: 1009211

Parameter	Units	5089152015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	ND	50	42.0	84	48-125	
Dibromomethane	ug/L	ND	50	48.5	97	59-134	
Dichlorodifluoromethane	ug/L	ND	50	46.1	92	24-197	
Ethyl methacrylate	ug/L	ND	200	182	91	55-139	
Ethylbenzene	ug/L	ND	50	49.6	99	28-153	
Iodomethane	ug/L	ND	100	76.2	76	17-157	
Isopropylbenzene (Cumene)	ug/L	ND	50	54.2	108	18-152	
Methyl-tert-butyl ether	ug/L	ND	100	103	103	63-130	
Methylene Chloride	ug/L	ND	50	48.6	97	45-156	
n-Butylbenzene	ug/L	ND	50	45.0	90	10-161	
n-Hexane	ug/L	ND	50	50.6	101	33-144	N2
n-Propylbenzene	ug/L	ND	50	50.7	101	16-150	
p-Isopropyltoluene	ug/L	ND	50	46.3	93	10-163	
sec-Butylbenzene	ug/L	ND	50	51.1	102	10-160	
Styrene	ug/L	ND	50	53.9	108	36-139	
tert-Butylbenzene	ug/L	ND	50	42.7	85	12-134	
Tetrachloroethene	ug/L	ND	50	48.6	97	33-151	
Toluene	ug/L	ND	50	46.5	93	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	50.2	100	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	39.0	78	48-122	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	160	80	32-139	
Trichloroethene	ug/L	ND	50	47.1	94	50-143	
Trichlorofluoromethane	ug/L	ND	50	48.0	96	60-175	
Vinyl acetate	ug/L	ND	200	167	84	17-142	
Vinyl chloride	ug/L	ND	50	51.7	103	44-145	
Xylene (Total)	ug/L	ND	150	151	101	29-145	
4-Bromofluorobenzene (S)	%.				101	80-114	
Dibromofluoromethane (S)	%.				100	79-116	
Toluene-d8 (S)	%.				98	81-110	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

QC Batch: MSV/59121 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5089111002, 5089111003

METHOD BLANK: 1009307 Matrix: Solid
Associated Lab Samples: 5089111002, 5089111003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	11/08/13 00:43	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	11/08/13 00:43	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	11/08/13 00:43	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	11/08/13 00:43	
1,1-Dichloroethane	mg/kg	ND	0.0050	11/08/13 00:43	
1,1-Dichloroethene	mg/kg	ND	0.0050	11/08/13 00:43	
1,1-Dichloropropene	mg/kg	ND	0.0050	11/08/13 00:43	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	11/08/13 00:43	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	11/08/13 00:43	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	11/08/13 00:43	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 00:43	
1,2-Dichloroethane	mg/kg	ND	0.0050	11/08/13 00:43	
1,2-Dichloropropane	mg/kg	ND	0.0050	11/08/13 00:43	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	11/08/13 00:43	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 00:43	
1,3-Dichloropropane	mg/kg	ND	0.0050	11/08/13 00:43	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 00:43	
2,2-Dichloropropane	mg/kg	ND	0.0050	11/08/13 00:43	
2-Butanone (MEK)	mg/kg	ND	0.025	11/08/13 00:43	
2-Chlorotoluene	mg/kg	ND	0.0050	11/08/13 00:43	
2-Hexanone	mg/kg	ND	0.10	11/08/13 00:43	
4-Chlorotoluene	mg/kg	ND	0.0050	11/08/13 00:43	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	11/08/13 00:43	
Acetone	mg/kg	ND	0.10	11/08/13 00:43	
Acrolein	mg/kg	ND	0.10	11/08/13 00:43	
Benzene	mg/kg	ND	0.0050	11/08/13 00:43	
Bromobenzene	mg/kg	ND	0.0050	11/08/13 00:43	
Bromochloromethane	mg/kg	ND	0.0050	11/08/13 00:43	
Bromodichloromethane	mg/kg	ND	0.0050	11/08/13 00:43	
Bromoform	mg/kg	ND	0.0050	11/08/13 00:43	
Bromomethane	mg/kg	ND	0.0050	11/08/13 00:43	
Carbon disulfide	mg/kg	ND	0.010	11/08/13 00:43	
Carbon tetrachloride	mg/kg	ND	0.0050	11/08/13 00:43	
Chlorobenzene	mg/kg	ND	0.0050	11/08/13 00:43	
Chloroethane	mg/kg	ND	0.0050	11/08/13 00:43	
Chloroform	mg/kg	ND	0.0050	11/08/13 00:43	
Chloromethane	mg/kg	ND	0.0050	11/08/13 00:43	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	11/08/13 00:43	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	11/08/13 00:43	
Dibromochloromethane	mg/kg	ND	0.0050	11/08/13 00:43	
Dibromomethane	mg/kg	ND	0.0050	11/08/13 00:43	
Dichlorodifluoromethane	mg/kg	ND	0.0050	11/08/13 00:43	
Ethyl methacrylate	mg/kg	ND	0.10	11/08/13 00:43	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

METHOD BLANK: 1009307 Matrix: Solid

Associated Lab Samples: 5089111002, 5089111003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/kg	ND	0.0050	11/08/13 00:43	
Iodomethane	mg/kg	ND	0.10	11/08/13 00:43	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	11/08/13 00:43	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	11/08/13 00:43	
Methylene Chloride	mg/kg	ND	0.020	11/08/13 00:43	
n-Butylbenzene	mg/kg	ND	0.0050	11/08/13 00:43	
n-Hexane	mg/kg	ND	0.0050	11/08/13 00:43	N2
n-Propylbenzene	mg/kg	ND	0.0050	11/08/13 00:43	
p-Isopropyltoluene	mg/kg	ND	0.0050	11/08/13 00:43	
sec-Butylbenzene	mg/kg	ND	0.0050	11/08/13 00:43	
Styrene	mg/kg	ND	0.0050	11/08/13 00:43	
tert-Butylbenzene	mg/kg	ND	0.0050	11/08/13 00:43	
Tetrachloroethene	mg/kg	ND	0.0050	11/08/13 00:43	
Toluene	mg/kg	ND	0.0050	11/08/13 00:43	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	11/08/13 00:43	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	11/08/13 00:43	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	11/08/13 00:43	
Trichloroethene	mg/kg	ND	0.0050	11/08/13 00:43	
Trichlorofluoromethane	mg/kg	ND	0.0050	11/08/13 00:43	
Vinyl acetate	mg/kg	ND	0.10	11/08/13 00:43	
Vinyl chloride	mg/kg	ND	0.0050	11/08/13 00:43	
Xylene (Total)	mg/kg	ND	0.010	11/08/13 00:43	
4-Bromofluorobenzene (S)	%.	98	56-144	11/08/13 00:43	
Dibromofluoromethane (S)	%.	99	85-118	11/08/13 00:43	
Toluene-d8 (S)	%.	98	71-128	11/08/13 00:43	

LABORATORY CONTROL SAMPLE: 1009308

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.05	0.045	90	62-123	
1,1,1-Trichloroethane	mg/kg	.05	0.043	86	70-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.059	118	65-124	
1,1,2-Trichloroethane	mg/kg	.05	0.051	103	74-129	
1,1-Dichloroethane	mg/kg	.05	0.047	94	73-130	
1,1-Dichloroethene	mg/kg	.05	0.044	88	66-126	
1,1-Dichloropropene	mg/kg	.05	0.047	94	78-125	
1,2,3-Trichlorobenzene	mg/kg	.05	0.049	98	66-131	
1,2,4-Trichlorobenzene	mg/kg	.05	0.046	92	68-129	
1,2,4-Trimethylbenzene	mg/kg	.05	0.051	102	67-126	
1,2-Dichlorobenzene	mg/kg	.05	0.048	96	73-122	
1,2-Dichloroethane	mg/kg	.05	0.048	96	73-127	
1,2-Dichloropropane	mg/kg	.05	0.054	108	75-118	
1,3,5-Trimethylbenzene	mg/kg	.05	0.052	105	65-127	
1,3-Dichlorobenzene	mg/kg	.05	0.047	93	73-121	
1,3-Dichloropropane	mg/kg	.05	0.051	102	72-121	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

LABORATORY CONTROL SAMPLE: 1009308

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/kg	.05	0.046	92	75-119	
2,2-Dichloropropane	mg/kg	.05	0.041	82	63-122	
2-Butanone (MEK)	mg/kg	.25	0.27	107	59-139	
2-Chlorotoluene	mg/kg	.05	0.052	104	72-121	
2-Hexanone	mg/kg	.25	0.25	101	56-139	
4-Chlorotoluene	mg/kg	.05	0.051	103	75-123	
4-Methyl-2-pentanone (MIBK)	mg/kg	.25	0.25	100	63-136	
Acetone	mg/kg	.25	0.28	113	46-156	
Acrolein	mg/kg	1	1.5	149	47-200	
Benzene	mg/kg	.05	0.044	89	74-119	
Bromobenzene	mg/kg	.05	0.050	100	69-129	
Bromochloromethane	mg/kg	.05	0.054	109	67-129	
Bromodichloromethane	mg/kg	.05	0.043	86	68-121	
Bromoform	mg/kg	.05	0.042	84	49-124	
Bromomethane	mg/kg	.05	0.056	111	44-142	
Carbon disulfide	mg/kg	.1	0.087	87	61-129	
Carbon tetrachloride	mg/kg	.05	0.041	81	58-127	
Chlorobenzene	mg/kg	.05	0.045	91	77-122	
Chloroethane	mg/kg	.05	0.051	103	59-141	
Chloroform	mg/kg	.05	0.047	93	75-124	
Chloromethane	mg/kg	.05	0.048	96	46-133	
cis-1,2-Dichloroethene	mg/kg	.05	0.046	92	72-122	
cis-1,3-Dichloropropene	mg/kg	.05	0.044	87	68-115	
Dibromochloromethane	mg/kg	.05	0.045	89	60-121	
Dibromomethane	mg/kg	.05	0.048	97	72-124	
Dichlorodifluoromethane	mg/kg	.05	0.040	80	26-186	
Ethyl methacrylate	mg/kg	.2	0.20	102	63-130	
Ethylbenzene	mg/kg	.05	0.047	94	72-123	
Iodomethane	mg/kg	.1	0.10	104	38-149	
Isopropylbenzene (Cumene)	mg/kg	.05	0.052	104	65-123	
Methyl-tert-butyl ether	mg/kg	.1	0.092	92	68-120	
Methylene Chloride	mg/kg	.05	0.046	92	57-142	
n-Butylbenzene	mg/kg	.05	0.050	101	68-125	
n-Hexane	mg/kg	.05	0.041	82	57-117	N2
n-Propylbenzene	mg/kg	.05	0.053	107	68-122	
p-Isopropyltoluene	mg/kg	.05	0.051	102	66-133	
sec-Butylbenzene	mg/kg	.05	0.053	105	64-131	
Styrene	mg/kg	.05	0.054	108	70-126	
tert-Butylbenzene	mg/kg	.05	0.051	101	46-124	
Tetrachloroethene	mg/kg	.05	0.043	86	72-126	
Toluene	mg/kg	.05	0.044	88	71-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.044	88	69-123	
trans-1,3-Dichloropropene	mg/kg	.05	0.049	98	66-114	
trans-1,4-Dichloro-2-butene	mg/kg	.2	0.23	113	61-124	
Trichloroethene	mg/kg	.05	0.044	89	74-123	
Trichlorofluoromethane	mg/kg	.05	0.047	93	72-146	
Vinyl acetate	mg/kg	.2	0.19	97	57-131	
Vinyl chloride	mg/kg	.05	0.049	98	55-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

LABORATORY CONTROL SAMPLE: 1009308

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	mg/kg	.15	0.15	103	66-124	
4-Bromofluorobenzene (S)	%.			104	56-144	
Dibromofluoromethane (S)	%.			97	85-118	
Toluene-d8 (S)	%.			98	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1009309 1009310

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	mg/kg	ND	.043	.042	0.035	0.039	80	92	10-129	11	20	
1,1,1-Trichloroethane	mg/kg	ND	.043	.042	0.038	0.040	87	95	26-143	6	20	
1,1,2,2-Tetrachloroethane	mg/kg	ND	.043	.042	0.048	0.060	110	142	10-156	22	20	
1,1,2-Trichloroethane	mg/kg	ND	.043	.042	0.045	0.047	103	110	13-156	4	20	
1,1-Dichloroethane	mg/kg	ND	.043	.042	0.042	0.043	97	101	36-150	1	20	
1,1-Dichloroethene	mg/kg	ND	.043	.042	0.036	0.036	83	85	31-146	0	20	
1,1-Dichloropropene	mg/kg	ND	.043	.042	0.039	0.037	89	88	26-145	5	20	
1,2,3-Trichlorobenzene	mg/kg	ND	.043	.042	0.017	0.014	39	32	10-119	23	20	
1,2,4-Trichlorobenzene	mg/kg	ND	.043	.042	0.018	0.012	41	29	10-122	37	20	
1,2,4-Trimethylbenzene	mg/kg	ND	.043	.042	0.035	0.042	79	98	10-139	19	20	
1,2-Dichlorobenzene	mg/kg	ND	.043	.042	0.030	0.029	69	67	10-132	6	20	
1,2-Dichloroethane	mg/kg	ND	.043	.042	0.043	0.039	98	92	30-140	9	20	
1,2-Dichloropropane	mg/kg	ND	.043	.042	0.046	0.046	106	108	29-135	1	20	
1,3,5-Trimethylbenzene	mg/kg	ND	.043	.042	0.035	0.046	79	109	10-143	29	20	
1,3-Dichlorobenzene	mg/kg	ND	.043	.042	0.029	0.026	67	61	10-130	12	20	
1,3-Dichloropropane	mg/kg	ND	.043	.042	0.046	0.043	105	101	17-139	7	20	
1,4-Dichlorobenzene	mg/kg	ND	.043	.042	0.029	0.025	66	58	10-128	16	20	
2,2-Dichloropropane	mg/kg	ND	.043	.042	0.035	0.037	79	88	29-136	8	20	
2-Butanone (MEK)	mg/kg	ND	.22	.21	0.34	0.35	156	164	22-176	2	20	
2-Chlorotoluene	mg/kg	ND	.043	.042	0.035	0.042	80	99	10-146	17	20	
2-Hexanone	mg/kg	ND	.22	.21	0.29	0.28	132	132	12-165	3	20	
4-Chlorotoluene	mg/kg	ND	.043	.042	0.034	0.034	77	81	10-138	1	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	.22	.21	0.25	0.27	116	128	22-155	7	20	
Acetone	mg/kg	ND	.22	.21	0.44	0.45	199	210	11-200	2	20	
Acrolein	mg/kg	ND	.88	.85	1.2	1.1	134	128	10-200	8	20	
Benzene	mg/kg	ND	.043	.042	0.040	0.037	92	88	27-140	7	20	
Bromobenzene	mg/kg	ND	.043	.042	0.031	0.026	72	62	10-133	18	20	
Bromochloromethane	mg/kg	ND	.043	.042	0.045	0.043	102	100	28-142	5	20	
Bromodichloromethane	mg/kg	ND	.043	.042	0.036	0.034	81	81	13-139	4	20	
Bromoform	mg/kg	ND	.043	.042	0.034	0.036	77	85	10-122	7	20	
Bromomethane	mg/kg	ND	.043	.042	0.044	0.045	100	106	10-154	2	20	
Carbon disulfide	mg/kg	ND	.088	.085	0.067	0.063	77	75	20-142	6	20	
Carbon tetrachloride	mg/kg	ND	.043	.042	0.033	0.037	76	86	19-135	9	20	
Chlorobenzene	mg/kg	ND	.043	.042	0.034	0.030	77	71	10-136	12	20	
Chloroethane	mg/kg	ND	.043	.042	0.044	0.044	101	103	24-161	1	20	
Chloroform	mg/kg	ND	.043	.042	0.041	0.040	94	95	36-138	1	20	
Chloromethane	mg/kg	ND	.043	.042	0.041	0.042	94	100	28-143	3	20	
cis-1,2-Dichloroethene	mg/kg	ND	.043	.042	0.042	0.037	97	88	29-136	13	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1009309 1009310

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	mg/kg	ND	.043	.042	0.037	0.033	84	78	10-130	10	20	
Dibromochloromethane	mg/kg	ND	.043	.042	0.036	0.034	81	81	10-124	4	20	
Dibromomethane	mg/kg	ND	.043	.042	0.041	0.034	95	80	24-136	20	20	
Dichlorodifluoromethane	mg/kg	ND	.043	.042	0.037	0.038	83	89	15-187	3	20	
Ethyl methacrylate	mg/kg	ND	.18	.17	0.16	0.14	89	84	10-147	9	20	
Ethylbenzene	mg/kg	ND	.043	.042	0.034	0.036	79	85	10-144	4	20	
Iodomethane	mg/kg	ND	.088	.085	0.085J	0.084J	98	99	10-155		20	
Isopropylbenzene (Cumene)	mg/kg	ND	.043	.042	0.033	0.039	76	92	10-134	15	20	
Methyl-tert-butyl ether	mg/kg	ND	.088	.085	0.079	0.084	90	100	30-147	7	20	
Methylene Chloride	mg/kg	ND	.043	.042	0.038	0.036	86	85	23-150	4	20	
n-Butylbenzene	mg/kg	ND	.043	.042	0.028	0.030	64	71	10-141	7	20	
n-Hexane	mg/kg	ND	.043	.042	0.030	0.028	69	67	10-140	7	20	N2
n-Propylbenzene	mg/kg	ND	.043	.042	0.036	0.044	81	103	10-143	21	20	
p-Isopropyltoluene	mg/kg	ND	.043	.042	0.031	0.041	71	98	10-146	28	20	
sec-Butylbenzene	mg/kg	ND	.043	.042	0.033	0.044	75	104	10-150	29	20	
Styrene	mg/kg	ND	.043	.042	0.035	0.029	80	68	10-138	20	20	
tert-Butylbenzene	mg/kg	ND	.043	.042	0.034	0.049	78	115	10-135	35	20	
Tetrachloroethene	mg/kg	ND	.043	.042	0.034	0.036	77	85	10-153	7	20	
Toluene	mg/kg	0.0037J	.043	.042	0.037	0.046	77	100	10-140	22	20	
trans-1,2-Dichloroethene	mg/kg	ND	.043	.042	0.036	0.032	81	76	28-139	11	20	
trans-1,3-Dichloropropene	mg/kg	ND	.043	.042	0.035	0.028	80	66	10-126	23	20	
trans-1,4-Dichloro-2-butene	mg/kg	ND	.18	.17	0.16	0.11	90	64	10-132	37	20	
Trichloroethene	mg/kg	ND	.043	.042	0.038	0.034	86	81	17-148	9	20	
Trichlorofluoromethane	mg/kg	ND	.043	.042	0.041	0.043	93	102	31-177	6	20	
Vinyl acetate	mg/kg	ND	.18	.17	0.068J	0.051J	39	30	10-131		20	
Vinyl chloride	mg/kg	ND	.043	.042	0.042	0.041	96	97	30-145	2	20	
Xylene (Total)	mg/kg	ND	.13	.12	0.11	0.11	81	86	10-143	3	20	
4-Bromofluorobenzene (S)	%.						96	91	56-144		20	4d
Dibromofluoromethane (S)	%.						102	108	85-118		20	
Toluene-d8 (S)	%.						102	116	71-128		20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1009311 1009312

Parameter	Units	5089121004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	mg/kg	ND	.034	.045	0.020	0.034	62	77	10-129	50	20	
1,1,1-Trichloroethane	mg/kg	ND	.034	.045	0.024	0.037	73	82	26-143	41	20	
1,1,2,2-Tetrachloroethane	mg/kg	ND	.034	.045	0.028	0.045	85	101	10-156	46	20	
1,1,2-Trichloroethane	mg/kg	ND	.034	.045	0.028	0.044	85	98	13-156	44	20	
1,1-Dichloroethane	mg/kg	ND	.034	.045	0.026	0.040	80	90	36-150	41	20	
1,1-Dichloroethene	mg/kg	ND	.034	.045	0.023	0.036	71	81	31-146	42	20	
1,1-Dichloropropene	mg/kg	ND	.034	.045	0.026	0.044	79	98	26-145	51	20	
1,2,3-Trichlorobenzene	mg/kg	ND	.034	.045	0.012	0.025	37	57	10-119	71	20	
1,2,4-Trichlorobenzene	mg/kg	ND	.034	.045	0.011	0.025	34	57	10-122	77	20	
1,2,4-Trimethylbenzene	mg/kg	ND	.034	.045	0.017	0.040	51	90	10-139	81	20	
1,2-Dichlorobenzene	mg/kg	ND	.034	.045	0.016	0.034	48	77	10-132	73	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1009311 1009312

Parameter	Units	5089121004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	mg/kg	ND	.034	.045	0.026	0.039	79	88	30-140	39	20	
1,2-Dichloropropane	mg/kg	ND	.034	.045	0.031	0.050	95	113	29-135	46	20	
1,3,5-Trimethylbenzene	mg/kg	ND	.034	.045	0.017	0.041	52	93	10-143	83	20	
1,3-Dichlorobenzene	mg/kg	ND	.034	.045	0.015	0.034	44	76	10-130	79	20	
1,3-Dichloropropane	mg/kg	ND	.034	.045	0.028	0.044	85	99	17-139	44	20	
1,4-Dichlorobenzene	mg/kg	ND	.034	.045	0.014	0.033	42	73	10-128	80	20	
2,2-Dichloropropane	mg/kg	ND	.034	.045	0.022	0.034	66	77	29-136	44	20	
2-Butanone (MEK)	mg/kg	ND	.17	.22	0.22	0.32	134	142	22-176	35	20	
2-Chlorotoluene	mg/kg	ND	.034	.045	0.017	0.040	53	91	10-146	79	20	
2-Hexanone	mg/kg	ND	.17	.22	0.18	0.27	111	120	12-165	37	20	
4-Chlorotoluene	mg/kg	ND	.034	.045	0.016	0.038	49	86	10-138	81	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	.17	.22	0.17	0.26	105	116	22-155	38	20	
Acetone	mg/kg	ND	.17	.22	0.24	0.34	143	151	11-200	35	20	
Acrolein	mg/kg	ND	.66	.88	0.55	0.80	84	90	10-200	37	20	
Benzene	mg/kg	ND	.034	.045	0.026	0.042	78	95	27-140	48	20	
Bromobenzene	mg/kg	ND	.034	.045	0.018	0.035	55	80	10-133	65	20	
Bromochloromethane	mg/kg	ND	.034	.045	0.031	0.046	94	104	28-142	39	20	
Bromodichloromethane	mg/kg	ND	.034	.045	0.022	0.033	66	75	13-139	42	20	
Bromoform	mg/kg	ND	.034	.045	0.018	0.029	55	65	10-122	44	20	
Bromomethane	mg/kg	ND	.034	.045	0.026	0.043	80	97	10-154	48	20	
Carbon disulfide	mg/kg	ND	.066	.088	0.042	0.065	63	73	20-142	44	20	
Carbon tetrachloride	mg/kg	ND	.034	.045	0.020	0.030	61	67	19-135	39	20	
Chlorobenzene	mg/kg	ND	.034	.045	0.019	0.037	59	83	10-136	62	20	
Chloroethane	mg/kg	ND	.034	.045	0.027	0.041	82	92	24-161	41	20	
Chloroform	mg/kg	ND	.034	.045	0.026	0.041	80	93	36-138	44	20	
Chloromethane	mg/kg	ND	.034	.045	0.025	0.041	76	91	28-143	47	20	
cis-1,2-Dichloroethene	mg/kg	ND	.034	.045	0.027	0.043	82	96	29-136	45	20	
cis-1,3-Dichloropropene	mg/kg	ND	.034	.045	0.022	0.037	66	82	10-130	50	20	
Dibromochloromethane	mg/kg	ND	.034	.045	0.021	0.031	63	71	10-124	40	20	
Dibromomethane	mg/kg	ND	.034	.045	0.027	0.040	81	90	24-136	39	20	
Dichlorodifluoromethane	mg/kg	ND	.034	.045	0.023	0.034	70	76	15-187	37	20	
Ethyl methacrylate	mg/kg	ND	.13	.18	0.11	0.17	84	98	10-147	45	20	
Ethylbenzene	mg/kg	ND	.034	.045	0.019	0.040	58	89	10-144	69	20	
Iodomethane	mg/kg	ND	.066	.088	0.050J	0.081J	76	92	10-155		20	
Isopropylbenzene (Cumene)	mg/kg	ND	.034	.045	0.018	0.041	56	92	10-134	76	20	
Methyl-tert-butyl ether	mg/kg	ND	.066	.088	0.051	0.075	77	84	30-147	38	20	
Methylene Chloride	mg/kg	ND	.034	.045	0.023	0.035	69	78	23-150	41	20	
n-Butylbenzene	mg/kg	ND	.034	.045	0.013	0.038	38	86	10-141	100	20	
n-Hexane	mg/kg	ND	.034	.045	0.022	0.036	67	81	10-140	48	20	N2
n-Propylbenzene	mg/kg	ND	.034	.045	0.017	0.042	51	95	10-143	86	20	
p-Isopropyltoluene	mg/kg	ND	.034	.045	0.015	0.040	45	91	10-146	92	20	
sec-Butylbenzene	mg/kg	ND	.034	.045	0.016	0.043	49	97	10-150	91	20	
Styrene	mg/kg	ND	.034	.045	0.019	0.039	59	88	10-138	67	20	
tert-Butylbenzene	mg/kg	ND	.034	.045	0.017	0.042	53	95	10-135	83	20	
Tetrachloroethene	mg/kg	ND	.034	.045	0.019	0.038	58	85	10-153	66	20	
Toluene	mg/kg	ND	.034	.045	0.022	0.040	68	91	10-140	57	20	
trans-1,2-Dichloroethene	mg/kg	ND	.034	.045	0.022	0.035	67	79	28-139	45	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1009311 1009312

Parameter	Units	5089121004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
trans-1,3-Dichloropropene	mg/kg	ND	.034	.045	0.020	0.034	62	76	10-126	49	20	
trans-1,4-Dichloro-2-butene	mg/kg	ND	.13	.18	0.083	0.13	63	73	10-132	44	20	
Trichloroethene	mg/kg	ND	.034	.045	0.023	0.040	71	90	17-148	52	20	
Trichlorofluoromethane	mg/kg	ND	.034	.045	0.025	0.037	76	83	31-177	39	20	
Vinyl acetate	mg/kg	ND	.13	.18	0.057J	0.12	43	68	10-131		20	
Vinyl chloride	mg/kg	ND	.034	.045	0.027	0.040	82	91	30-145	39	20	
Xylene (Total)	mg/kg	ND	.1	.13	0.059	0.12	59	91	10-143	70	20	
4-Bromofluorobenzene (S)	%.						99	97	56-144		20	
Dibromofluoromethane (S)	%.						100	94	85-118		20	4d
Toluene-d8 (S)	%.						100	101	71-128		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

QC Batch: MSV/59148
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5089111001

METHOD BLANK: 1010072
Matrix: Solid
Associated Lab Samples: 5089111001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	11/08/13 14:04	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	11/08/13 14:04	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	11/08/13 14:04	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	11/08/13 14:04	
1,1-Dichloroethane	mg/kg	ND	0.0050	11/08/13 14:04	
1,1-Dichloroethene	mg/kg	ND	0.0050	11/08/13 14:04	
1,1-Dichloropropene	mg/kg	ND	0.0050	11/08/13 14:04	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	11/08/13 14:04	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	11/08/13 14:04	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	11/08/13 14:04	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 14:04	
1,2-Dichloroethane	mg/kg	ND	0.0050	11/08/13 14:04	
1,2-Dichloropropane	mg/kg	ND	0.0050	11/08/13 14:04	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	11/08/13 14:04	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 14:04	
1,3-Dichloropropane	mg/kg	ND	0.0050	11/08/13 14:04	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	11/08/13 14:04	
2,2-Dichloropropane	mg/kg	ND	0.0050	11/08/13 14:04	
2-Butanone (MEK)	mg/kg	ND	0.025	11/08/13 14:04	
2-Chlorotoluene	mg/kg	ND	0.0050	11/08/13 14:04	
2-Hexanone	mg/kg	ND	0.10	11/08/13 14:04	
4-Chlorotoluene	mg/kg	ND	0.0050	11/08/13 14:04	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	11/08/13 14:04	
Acetone	mg/kg	ND	0.10	11/08/13 14:04	
Acrolein	mg/kg	ND	0.10	11/08/13 14:04	
Benzene	mg/kg	ND	0.0050	11/08/13 14:04	
Bromobenzene	mg/kg	ND	0.0050	11/08/13 14:04	
Bromochloromethane	mg/kg	ND	0.0050	11/08/13 14:04	
Bromodichloromethane	mg/kg	ND	0.0050	11/08/13 14:04	
Bromoform	mg/kg	ND	0.0050	11/08/13 14:04	
Bromomethane	mg/kg	ND	0.0050	11/08/13 14:04	
Carbon disulfide	mg/kg	ND	0.010	11/08/13 14:04	
Carbon tetrachloride	mg/kg	ND	0.0050	11/08/13 14:04	
Chlorobenzene	mg/kg	ND	0.0050	11/08/13 14:04	
Chloroethane	mg/kg	ND	0.0050	11/08/13 14:04	
Chloroform	mg/kg	ND	0.0050	11/08/13 14:04	
Chloromethane	mg/kg	ND	0.0050	11/08/13 14:04	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	11/08/13 14:04	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	11/08/13 14:04	
Dibromochloromethane	mg/kg	ND	0.0050	11/08/13 14:04	
Dibromomethane	mg/kg	ND	0.0050	11/08/13 14:04	
Dichlorodifluoromethane	mg/kg	ND	0.0050	11/08/13 14:04	
Ethyl methacrylate	mg/kg	ND	0.10	11/08/13 14:04	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

METHOD BLANK: 1010072 Matrix: Solid

Associated Lab Samples: 5089111001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/kg	ND	0.0050	11/08/13 14:04	
Iodomethane	mg/kg	ND	0.10	11/08/13 14:04	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	11/08/13 14:04	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	11/08/13 14:04	
Methylene Chloride	mg/kg	ND	0.020	11/08/13 14:04	
n-Butylbenzene	mg/kg	ND	0.0050	11/08/13 14:04	
n-Hexane	mg/kg	ND	0.0050	11/08/13 14:04	N2
n-Propylbenzene	mg/kg	ND	0.0050	11/08/13 14:04	
p-Isopropyltoluene	mg/kg	ND	0.0050	11/08/13 14:04	
sec-Butylbenzene	mg/kg	ND	0.0050	11/08/13 14:04	
Styrene	mg/kg	ND	0.0050	11/08/13 14:04	
tert-Butylbenzene	mg/kg	ND	0.0050	11/08/13 14:04	
Tetrachloroethene	mg/kg	ND	0.0050	11/08/13 14:04	
Toluene	mg/kg	ND	0.0050	11/08/13 14:04	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	11/08/13 14:04	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	11/08/13 14:04	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	11/08/13 14:04	
Trichloroethene	mg/kg	ND	0.0050	11/08/13 14:04	
Trichlorofluoromethane	mg/kg	ND	0.0050	11/08/13 14:04	
Vinyl acetate	mg/kg	ND	0.10	11/08/13 14:04	
Vinyl chloride	mg/kg	ND	0.0050	11/08/13 14:04	
Xylene (Total)	mg/kg	ND	0.010	11/08/13 14:04	
4-Bromofluorobenzene (S)	%.	99	56-144	11/08/13 14:04	
Dibromofluoromethane (S)	%.	92	85-118	11/08/13 14:04	
Toluene-d8 (S)	%.	101	71-128	11/08/13 14:04	

LABORATORY CONTROL SAMPLE: 1010073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.05	0.046	92	62-123	
1,1,1-Trichloroethane	mg/kg	.05	0.046	93	70-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.057	114	65-124	
1,1,2-Trichloroethane	mg/kg	.05	0.053	105	74-129	
1,1-Dichloroethane	mg/kg	.05	0.039	77	73-130	
1,1-Dichloroethene	mg/kg	.05	0.039	79	66-126	
1,1-Dichloropropene	mg/kg	.05	0.050	99	78-125	
1,2,3-Trichlorobenzene	mg/kg	.05	0.049	98	66-131	
1,2,4-Trichlorobenzene	mg/kg	.05	0.052	104	68-129	
1,2,4-Trimethylbenzene	mg/kg	.05	0.056	112	67-126	
1,2-Dichlorobenzene	mg/kg	.05	0.051	102	73-122	
1,2-Dichloroethane	mg/kg	.05	0.045	90	73-127	
1,2-Dichloropropane	mg/kg	.05	0.054	108	75-118	
1,3,5-Trimethylbenzene	mg/kg	.05	0.054	109	65-127	
1,3-Dichlorobenzene	mg/kg	.05	0.049	98	73-121	
1,3-Dichloropropane	mg/kg	.05	0.055	111	72-121	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

LABORATORY CONTROL SAMPLE: 1010073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/kg	.05	0.050	99	75-119	
2,2-Dichloropropane	mg/kg	.05	0.042	84	63-122	
2-Butanone (MEK)	mg/kg	.25	0.28	111	59-139	
2-Chlorotoluene	mg/kg	.05	0.053	105	72-121	
2-Hexanone	mg/kg	.25	0.28	113	56-139	
4-Chlorotoluene	mg/kg	.05	0.052	104	75-123	
4-Methyl-2-pentanone (MIBK)	mg/kg	.25	0.30	120	63-136	
Acetone	mg/kg	.25	0.27	109	46-156	
Acrolein	mg/kg	1	1.4	144	47-200	
Benzene	mg/kg	.05	0.047	94	74-119	
Bromobenzene	mg/kg	.05	0.049	98	69-129	
Bromochloromethane	mg/kg	.05	0.052	104	67-129	
Bromodichloromethane	mg/kg	.05	0.043	87	68-121	
Bromoform	mg/kg	.05	0.041	83	49-124	
Bromomethane	mg/kg	.05	0.049	98	44-142	
Carbon disulfide	mg/kg	.1	0.080	80	61-129	
Carbon tetrachloride	mg/kg	.05	0.041	83	58-127	
Chlorobenzene	mg/kg	.05	0.049	97	77-122	
Chloroethane	mg/kg	.05	0.053	107	59-141	
Chloroform	mg/kg	.05	0.045	89	75-124	
Chloromethane	mg/kg	.05	0.047	93	46-133	
cis-1,2-Dichloroethene	mg/kg	.05	0.047	94	72-122	
cis-1,3-Dichloropropene	mg/kg	.05	0.049	98	68-115	
Dibromochloromethane	mg/kg	.05	0.046	92	60-121	
Dibromomethane	mg/kg	.05	0.049	97	72-124	
Dichlorodifluoromethane	mg/kg	.05	0.040	79	26-186	
Ethyl methacrylate	mg/kg	.2	0.22	108	63-130	
Ethylbenzene	mg/kg	.05	0.048	97	72-123	
Iodomethane	mg/kg	.1	0.10	102	38-149	
Isopropylbenzene (Cumene)	mg/kg	.05	0.054	107	65-123	
Methyl-tert-butyl ether	mg/kg	.1	0.084	84	68-120	
Methylene Chloride	mg/kg	.05	0.043	86	57-142	
n-Butylbenzene	mg/kg	.05	0.055	110	68-125	
n-Hexane	mg/kg	.05	0.040	79	57-117	N2
n-Propylbenzene	mg/kg	.05	0.056	113	68-122	
p-Isopropyltoluene	mg/kg	.05	0.054	108	66-133	
sec-Butylbenzene	mg/kg	.05	0.055	111	64-131	
Styrene	mg/kg	.05	0.053	106	70-126	
tert-Butylbenzene	mg/kg	.05	0.052	104	46-124	
Tetrachloroethene	mg/kg	.05	0.046	93	72-126	
Toluene	mg/kg	.05	0.048	96	71-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.041	81	69-123	
trans-1,3-Dichloropropene	mg/kg	.05	0.048	97	66-114	
trans-1,4-Dichloro-2-butene	mg/kg	.2	0.22	109	61-124	
Trichloroethene	mg/kg	.05	0.047	94	74-123	
Trichlorofluoromethane	mg/kg	.05	0.043	85	72-146	
Vinyl acetate	mg/kg	.2	0.18	90	57-131	
Vinyl chloride	mg/kg	.05	0.048	95	55-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

LABORATORY CONTROL SAMPLE: 1010073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	mg/kg	.15	0.15	101	66-124	
4-Bromofluorobenzene (S)	%.			98	56-144	
Dibromofluoromethane (S)	%.			94	85-118	
Toluene-d8 (S)	%.			101	71-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

QC Batch: OEXT/34254 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 3546 Analysis Description: EPA 8015 TPH Ohio
Associated Lab Samples: 5089111001, 5089111002, 5089111003

METHOD BLANK: 1005402 Matrix: Solid
Associated Lab Samples: 5089111001, 5089111002, 5089111003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	ND	20.0	10/31/13 15:37	
TPH (C10-C20)	mg/kg	ND	10.0	10/31/13 15:37	
TPH (C20-C34)	mg/kg	ND	10.0	10/31/13 15:37	
n-Pentacosane (S)	%.	75	30-153	10/31/13 15:37	

LABORATORY CONTROL SAMPLE: 1005403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	83.3	57.8	69	43-88	
n-Pentacosane (S)	%.			80	30-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1005404 1005405

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/kg	55.4	86	86	104	84.3	56	34	10-136	20	20	
n-Pentacosane (S)	%.						170	148	30-153		20	5d

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

QC Batch: OEXT/34255 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 5089111001, 5089111002, 5089111003

METHOD BLANK: 1005406 Matrix: Solid
Associated Lab Samples: 5089111001, 5089111002, 5089111003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	100	10/31/13 12:51	
PCB-1221 (Aroclor 1221)	ug/kg	ND	100	10/31/13 12:51	
PCB-1232 (Aroclor 1232)	ug/kg	ND	100	10/31/13 12:51	
PCB-1242 (Aroclor 1242)	ug/kg	ND	100	10/31/13 12:51	
PCB-1248 (Aroclor 1248)	ug/kg	ND	100	10/31/13 12:51	
PCB-1254 (Aroclor 1254)	ug/kg	ND	100	10/31/13 12:51	
PCB-1260 (Aroclor 1260)	ug/kg	ND	100	10/31/13 12:51	
Tetrachloro-m-xylene (S)	%.	80	30-106	10/31/13 12:51	

LABORATORY CONTROL SAMPLE: 1005407

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	128	77	42-100	
PCB-1260 (Aroclor 1260)	ug/kg	167	117	70	40-106	
Tetrachloro-m-xylene (S)	%.			74	30-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1005408 1005409

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	172	172	112	105	65	61	10-145	7	20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	172	172	111	104	57	52	16-132	7	20	
Tetrachloro-m-xylene (S)	%.						66	62	30-106		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

QC Batch: OEXT/34253 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
Associated Lab Samples: 5089111001, 5089111002, 5089111003

METHOD BLANK: 1005398 Matrix: Solid
Associated Lab Samples: 5089111001, 5089111002, 5089111003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/kg	ND	330	10/31/13 19:18	
2,4,6-Trichlorophenol	ug/kg	ND	330	10/31/13 19:18	
2,4-Dichlorophenol	ug/kg	ND	330	10/31/13 19:18	
2,4-Dimethylphenol	ug/kg	ND	330	10/31/13 19:18	
2,4-Dinitrophenol	ug/kg	ND	1600	10/31/13 19:18	
2,4-Dinitrotoluene	ug/kg	ND	330	10/31/13 19:18	
2,6-Dinitrotoluene	ug/kg	ND	330	10/31/13 19:18	
2-Chloronaphthalene	ug/kg	ND	330	10/31/13 19:18	
2-Chlorophenol	ug/kg	ND	330	10/31/13 19:18	
2-Methylnaphthalene	ug/kg	ND	330	10/31/13 19:18	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	10/31/13 19:18	
2-Nitroaniline	ug/kg	ND	1600	10/31/13 19:18	
2-Nitrophenol	ug/kg	ND	330	10/31/13 19:18	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	660	10/31/13 19:18	
3-Nitroaniline	ug/kg	ND	1600	10/31/13 19:18	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1600	10/31/13 19:18	
4-Bromophenylphenyl ether	ug/kg	ND	330	10/31/13 19:18	
4-Chloro-3-methylphenol	ug/kg	ND	660	10/31/13 19:18	
4-Chloroaniline	ug/kg	ND	660	10/31/13 19:18	
4-Chlorophenylphenyl ether	ug/kg	ND	330	10/31/13 19:18	
4-Nitroaniline	ug/kg	ND	1600	10/31/13 19:18	
4-Nitrophenol	ug/kg	ND	1600	10/31/13 19:18	
Acenaphthene	ug/kg	ND	330	10/31/13 19:18	
Acenaphthylene	ug/kg	ND	330	10/31/13 19:18	
Anthracene	ug/kg	ND	330	10/31/13 19:18	
Benzo(a)anthracene	ug/kg	ND	330	10/31/13 19:18	
Benzo(a)pyrene	ug/kg	ND	170	10/31/13 19:18	
Benzo(b)fluoranthene	ug/kg	ND	330	10/31/13 19:18	
Benzo(g,h,i)perylene	ug/kg	ND	330	10/31/13 19:18	
Benzo(k)fluoranthene	ug/kg	ND	330	10/31/13 19:18	
Benzyl alcohol	ug/kg	ND	660	10/31/13 19:18	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	10/31/13 19:18	
bis(2-Chloroethyl) ether	ug/kg	ND	330	10/31/13 19:18	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	10/31/13 19:18	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	10/31/13 19:18	
Butylbenzylphthalate	ug/kg	ND	330	10/31/13 19:18	
Chrysene	ug/kg	ND	330	10/31/13 19:18	
Di-n-butylphthalate	ug/kg	ND	330	10/31/13 19:18	
Di-n-octylphthalate	ug/kg	ND	330	10/31/13 19:18	
Dibenz(a,h)anthracene	ug/kg	ND	170	10/31/13 19:18	
Dibenzofuran	ug/kg	ND	330	10/31/13 19:18	
Diethylphthalate	ug/kg	ND	330	10/31/13 19:18	
Dimethylphthalate	ug/kg	ND	330	10/31/13 19:18	

REPORT OF LABORATORY ANALYSIS

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(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

METHOD BLANK: 1005398 Matrix: Solid

Associated Lab Samples: 5089111001, 5089111002, 5089111003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoranthene	ug/kg	ND	330	10/31/13 19:18	
Fluorene	ug/kg	ND	330	10/31/13 19:18	
Hexachlorocyclopentadiene	ug/kg	ND	330	10/31/13 19:18	
Hexachloroethane	ug/kg	ND	330	10/31/13 19:18	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	10/31/13 19:18	
Isophorone	ug/kg	ND	330	10/31/13 19:18	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	10/31/13 19:18	
N-Nitrosodiphenylamine	ug/kg	ND	330	10/31/13 19:18	
Naphthalene	ug/kg	ND	330	10/31/13 19:18	
Nitrobenzene	ug/kg	ND	330	10/31/13 19:18	
Phenanthrene	ug/kg	ND	330	10/31/13 19:18	
Phenol	ug/kg	ND	330	10/31/13 19:18	
Pyrene	ug/kg	ND	330	10/31/13 19:18	
2,4,6-Tribromophenol (S)	%.	73	16-122	10/31/13 19:18	
2-Fluorobiphenyl (S)	%.	54	31-94	10/31/13 19:18	
2-Fluorophenol (S)	%.	61	24-104	10/31/13 19:18	
Nitrobenzene-d5 (S)	%.	52	28-101	10/31/13 19:18	
p-Terphenyl-d14 (S)	%.	89	26-110	10/31/13 19:18	
Phenol-d5 (S)	%.	54	28-101	10/31/13 19:18	

LABORATORY CONTROL SAMPLE: 1005399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	3330	2570	77	39-103	
2-Chlorophenol	ug/kg	3330	1870	56	38-96	
2-Methylnaphthalene	ug/kg	3330	2030	61	36-94	
4-Chloro-3-methylphenol	ug/kg	3330	2180	66	38-104	
4-Nitrophenol	ug/kg	3330	2150	64	34-104	
Acenaphthene	ug/kg	3330	2160	65	43-99	
Acenaphthylene	ug/kg	3330	2160	65	42-101	
Anthracene	ug/kg	3330	2420	73	46-107	
Benzo(a)anthracene	ug/kg	3330	2500	75	45-108	
Benzo(a)pyrene	ug/kg	3330	2590	78	47-113	
Benzo(b)fluoranthene	ug/kg	3330	2430	73	41-110	
Benzo(g,h,i)perylene	ug/kg	3330	2200	66	42-112	
Benzo(k)fluoranthene	ug/kg	3330	2460	74	44-107	
Chrysene	ug/kg	3330	2460	74	43-103	
Dibenz(a,h)anthracene	ug/kg	3330	2410	72	43-110	
Fluoranthene	ug/kg	3330	2660	80	45-105	
Fluorene	ug/kg	3330	2370	71	42-103	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	2300	69	43-111	
N-Nitroso-di-n-propylamine	ug/kg	3330	1970	59	37-96	
Naphthalene	ug/kg	3330	1790	54	44-100	
Phenanthrene	ug/kg	3330	2370	71	44-104	
Phenol	ug/kg	3330	2000	60	37-101	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

LABORATORY CONTROL SAMPLE: 1005399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	3330	2660	80	44-105	
2,4,6-Tribromophenol (S)	%.			80	16-122	
2-Fluorobiphenyl (S)	%.			62	31-94	
2-Fluorophenol (S)	%.			68	24-104	
Nitrobenzene-d5 (S)	%.			59	28-101	
p-Terphenyl-d14 (S)	%.			99	26-110	
Phenol-d5 (S)	%.			70	28-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1005400 1005401

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/kg	ND	3420	3400	2030	1940	59	57	15-102	4	20	
2-Chlorophenol	ug/kg	ND	3420	3400	1740	1660	51	49	22-96	5	20	
2-Methylnaphthalene	ug/kg	ND	3420	3400	1640	1970	44	54	14-107	19	20	
4-Chloro-3-methylphenol	ug/kg	ND	3420	3400	1820	1900	53	56	21-105	4	20	
4-Nitrophenol	ug/kg	ND	3420	3400	1670	1710	49	50	12-107	2	20	
Acenaphthene	ug/kg	ND	3420	3400	2060	2040	57	56	19-110	1	20	
Acenaphthylene	ug/kg	ND	3420	3400	1940	1950	54	54	21-106	1	20	
Anthracene	ug/kg	480	3420	3400	2160	2190	49	50	22-112	2	20	
Benzo(a)anthracene	ug/kg	661	3420	3400	2240	2270	46	47	13-116	1	20	
Benzo(a)pyrene	ug/kg	558	3420	3400	2230	2220	49	49	11-119	1	20	
Benzo(b)fluoranthene	ug/kg	685	3420	3400	2440	2130	51	42	10-126	14	20	
Benzo(g,h,i)perylene	ug/kg	300J	3420	3400	2030	2010	51	50	10-114	1	20	
Benzo(k)fluoranthene	ug/kg	290J	3420	3400	1890	2050	47	52	10-117	8	20	
Chrysene	ug/kg	703	3420	3400	2310	2280	47	46	14-107	1	20	
Dibenz(a,h)anthracene	ug/kg	ND	3420	3400	1960	1920	55	54	10-119	2	20	
Fluoranthene	ug/kg	1710	3420	3400	2580	2760	25	31	17-110	7	20	
Fluorene	ug/kg	206J	3420	3400	2210	2200	59	58	17-115	1	20	
Indeno(1,2,3-cd)pyrene	ug/kg	337J	3420	3400	2140	2000	53	49	11-111	7	20	
N-Nitroso-di-n-propylamine	ug/kg	ND	3420	3400	1970	1830	58	54	18-103	7	20	
Naphthalene	ug/kg	174J	3420	3400	1790	1780	47	47	16-102	0	20	
Phenanthrene	ug/kg	1710	3420	3400	2540	2600	24	26	10-128	2	20	
Phenol	ug/kg	ND	3420	3400	1810	1690	53	50	22-97	7	20	
Pyrene	ug/kg	1330	3420	3400	2510	2610	34	38	10-123	4	20	
2,4,6-Tribromophenol (S)	%.						58	60	16-122			
2-Fluorobiphenyl (S)	%.						55	56	31-94			
2-Fluorophenol (S)	%.						55	55	24-104			
Nitrobenzene-d5 (S)	%.						52	52	26-98			
p-Terphenyl-d14 (S)	%.						75	75	26-110			
Phenol-d5 (S)	%.						57	57	28-101			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

QC Batch: OEXT/34304
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 TCLP MSSV
Associated Lab Samples: 5089111007

METHOD BLANK: 1007575 Matrix: Water
Associated Lab Samples: 5089111007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	11/05/13 19:00	
2,4,5-Trichlorophenol	ug/L	ND	500	11/05/13 19:00	
2,4,6-Trichlorophenol	ug/L	ND	100	11/05/13 19:00	
2,4-Dinitrotoluene	ug/L	ND	100	11/05/13 19:00	
2-Methylphenol(o-Cresol)	ug/L	ND	100	11/05/13 19:00	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	200	11/05/13 19:00	
Hexachloro-1,3-butadiene	ug/L	ND	100	11/05/13 19:00	
Hexachlorobenzene	ug/L	ND	100	11/05/13 19:00	
Hexachloroethane	ug/L	ND	100	11/05/13 19:00	
Nitrobenzene	ug/L	ND	100	11/05/13 19:00	
Pentachlorophenol	ug/L	ND	500	11/05/13 19:00	
Pyridine	ug/L	ND	100	11/05/13 19:00	
2,4,6-Tribromophenol (S)	%.	99	31-161	11/05/13 19:00	
2-Fluorobiphenyl (S)	%.	84	31-118	11/05/13 19:00	
2-Fluorophenol (S)	%.	43	10-67	11/05/13 19:00	
Nitrobenzene-d5 (S)	%.	80	29-126	11/05/13 19:00	
p-Terphenyl-d14 (S)	%.	96	28-129	11/05/13 19:00	
Phenol-d5 (S)	%.	22	10-47	11/05/13 19:00	

LABORATORY CONTROL SAMPLE: 1007576

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	1000	594	59	29-102	
2,4,5-Trichlorophenol	ug/L	1000	750	75	42-125	
2,4,6-Trichlorophenol	ug/L	1000	720	72	44-122	
2,4-Dinitrotoluene	ug/L	1000	625	63	36-126	
2-Methylphenol(o-Cresol)	ug/L	1000	510	51	30-85	
3&4-Methylphenol(m&p Cresol)	ug/L	2000	894	45	22-76	
Hexachloro-1,3-butadiene	ug/L	1000	602	60	26-102	
Hexachlorobenzene	ug/L	1000	562	56	36-115	
Hexachloroethane	ug/L	1000	462	46	24-101	
Nitrobenzene	ug/L	1000	703	70	36-114	
Pentachlorophenol	ug/L	1000	755	75	31-125	
Pyridine	ug/L	1000	104	10	10-41	
2,4,6-Tribromophenol (S)	%.			79	31-161	
2-Fluorobiphenyl (S)	%.			67	31-118	
2-Fluorophenol (S)	%.			38	10-67	
Nitrobenzene-d5 (S)	%.			68	29-126	
p-Terphenyl-d14 (S)	%.			77	28-129	
Phenol-d5 (S)	%.			20	10-47	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

MATRIX SPIKE SAMPLE: 1007577

Parameter	Units	5089046005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	1000	594	59	39-91	
2,4,5-Trichlorophenol	ug/L	ND	1000	794	79	41-125	
2,4,6-Trichlorophenol	ug/L	ND	1000	755	76	42-120	
2,4-Dinitrotoluene	ug/L	ND	1000	719	72	34-124	
2-Methylphenol(o-Cresol)	ug/L	ND	1000	497	50	21-101	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2000	859	43	10-104	
Hexachloro-1,3-butadiene	ug/L	ND	1000	595	59	36-97	
Hexachlorobenzene	ug/L	ND	1000	603	60	37-115	
Hexachloroethane	ug/L	ND	1000	452	45	31-93	
Nitrobenzene	ug/L	ND	1000	670	67	42-114	
Pentachlorophenol	ug/L	ND	1000	876	88	30-128	
Pyridine	ug/L	ND	1000	ND	6	10-46	M0
2,4,6-Tribromophenol (S)	%.				87	31-161	
2-Fluorobiphenyl (S)	%.				66	31-118	
2-Fluorophenol (S)	%.				37	10-67	
Nitrobenzene-d5 (S)	%.				67	29-126	
p-Terphenyl-d14 (S)	%.				76	28-129	
Phenol-d5 (S)	%.				20	10-47	

MATRIX SPIKE SAMPLE: 1007578

Parameter	Units	5089111007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	1000	610	61	39-91	
2,4,5-Trichlorophenol	ug/L	ND	1000	791	79	41-125	
2,4,6-Trichlorophenol	ug/L	ND	1000	739	74	42-120	
2,4-Dinitrotoluene	ug/L	ND	1000	696	70	34-124	
2-Methylphenol(o-Cresol)	ug/L	ND	1000	517	52	21-101	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2000	899	45	10-104	
Hexachloro-1,3-butadiene	ug/L	ND	1000	598	60	36-97	
Hexachlorobenzene	ug/L	ND	1000	616	62	37-115	
Hexachloroethane	ug/L	ND	1000	464	46	31-93	
Nitrobenzene	ug/L	ND	1000	912	91	42-114	
Pentachlorophenol	ug/L	ND	1000	836	84	30-128	
Pyridine	ug/L	ND	1000	118	12	10-46	
2,4,6-Tribromophenol (S)	%.				88	31-161	
2-Fluorobiphenyl (S)	%.				68	31-118	
2-Fluorophenol (S)	%.				37	10-67	
Nitrobenzene-d5 (S)	%.				71	29-126	
p-Terphenyl-d14 (S)	%.				82	28-129	
Phenol-d5 (S)	%.				20	10-47	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

QC Batch: PMST/8892 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5089111001, 5089111002, 5089111003, 5089111007

SAMPLE DUPLICATE: 1005591

Parameter	Units	5089049005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.0	9.3	7	5	R1

SAMPLE DUPLICATE: 1005592

Parameter	Units	5089111001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.6	19.2	9	5	R1

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

QC Batch: WET/13636
QC Batch Method: EPA 9045
Analysis Method: EPA 9045
Analysis Description: 9045 pH
Associated Lab Samples: 5089111002

SAMPLE DUPLICATE: 1005778

Parameter	Units	5089109002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.7	2	20	

SAMPLE DUPLICATE: 1005779

Parameter	Units	5089153003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.1	8.0	0	20	

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Due to the viscosity of the extract, it was run at 10x. KES 11-5-13
2d	Internal Standard recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis). BJG 11-12-13
3d	RPD is outside control limits due to sample non-homogeneity. FRW 11-1-13
4d	Several compounds are outside of acceptance limits for RPD value. Refer to the LCS for system control. grm 11-8-13
5d	The surrogate recovery exceeds the upper limit due to significant contribution from the target analyte. CEM 11/01/13
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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METHOD CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Parameter	Matrix	Analytical Method	Preparation Method
6010 MET ICP	Solid	SW-846 6010B	SW-846 3050B
7471 Mercury	Solid	SW-846 7471A	SW-846 7471A
8015 GRO 5035	Solid	SW-846 8015B	SW-846 5035A
8015 Gasoline Range Organics	Solid	SW-846 8015A	SW-846 5030A
8015 TPH Ohio Microwave	Solid	SW-846 8015B	SW-846 3546
8082 GCS PCB	Solid	SW-846 8082	SW-846 3546
8260 MSV	Water	SW-846 8260B	SW-846 5030B
8260 MSV 5035A VOA	Solid	SW-846 8260B	SW-846 5035A
8270 MSSV SHORT LIST MICROWAVE	Solid	SW-846 8270C	SW-846 3546

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089111

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089111001	**FAW-MW03(0-2)-102913**	EPA 3546	OEXT/34254	EPA 8015 Mod Ext	GCSV/11668
5089111002	**FAW-MW03(2-4)-102913**	EPA 3546	OEXT/34254	EPA 8015 Mod Ext	GCSV/11668
5089111003	**FAW-MW03(4-6)-102913**	EPA 3546	OEXT/34254	EPA 8015 Mod Ext	GCSV/11668
5089111001	**FAW-MW03(0-2)-102913**	EPA 3546	OEXT/34255	EPA 8082	GCSV/11670
5089111002	**FAW-MW03(2-4)-102913**	EPA 3546	OEXT/34255	EPA 8082	GCSV/11670
5089111003	**FAW-MW03(4-6)-102913**	EPA 3546	OEXT/34255	EPA 8082	GCSV/11670
5089111001	**FAW-MW03(0-2)-102913**	EPA 8015 Mod Pur	GCV/17349		
5089111002	**FAW-MW03(2-4)-102913**	EPA 8015 Mod Pur	GCV/17349		
5089111003	**FAW-MW03(4-6)-102913**	EPA 8015 Mod Pur	GCV/17349		
5089111001	**FAW-MW03(0-2)-102913**	EPA 3050	MPRP/12359	EPA 6010	ICP/13675
5089111002	**FAW-MW03(2-4)-102913**	EPA 3050	MPRP/12359	EPA 6010	ICP/13675
5089111003	**FAW-MW03(4-6)-102913**	EPA 3050	MPRP/12359	EPA 6010	ICP/13675
5089111007	**FAW-IDW02-102913**	EPA 3010	MPRP/12380	EPA 6010	ICP/13722
5089111007	**FAW-IDW02-102913**	EPA 7470	MERP/5013	EPA 7470	MERC/5349
5089111001	**FAW-MW03(0-2)-102913**	EPA 7471	MERP/5005	EPA 7471	MERC/5342
5089111002	**FAW-MW03(2-4)-102913**	EPA 7471	MERP/5005	EPA 7471	MERC/5342
5089111003	**FAW-MW03(4-6)-102913**	EPA 7471	MERP/5005	EPA 7471	MERC/5342
5089111001	**FAW-MW03(0-2)-102913**	EPA 3546	OEXT/34253	EPA 8270	MSSV/13826
5089111002	**FAW-MW03(2-4)-102913**	EPA 3546	OEXT/34253	EPA 8270	MSSV/13826
5089111003	**FAW-MW03(4-6)-102913**	EPA 3546	OEXT/34253	EPA 8270	MSSV/13826
5089111007	**FAW-IDW02-102913**	EPA 3510	OEXT/34304	EPA 8270	MSSV/13871
5089111007	**FAW-IDW02-102913**	EPA 8260	MSV/59157		
5089111006	**FAW-TB04-102913**	EPA 8260	MSV/59106		
5089111001	**FAW-MW03(0-2)-102913**	EPA 8260	MSV/59148		
5089111002	**FAW-MW03(2-4)-102913**	EPA 8260	MSV/59121		
5089111003	**FAW-MW03(4-6)-102913**	EPA 8260	MSV/59121		
5089111001	**FAW-MW03(0-2)-102913**	ASTM D2974-87	PMST/8892		
5089111002	**FAW-MW03(2-4)-102913**	ASTM D2974-87	PMST/8892		
5089111003	**FAW-MW03(4-6)-102913**	ASTM D2974-87	PMST/8892		
5089111007	**FAW-IDW02-102913**	ASTM D2974-87	PMST/8892		
5089111007	**FAW-IDW02-102913**	EPA 1010	WET/13641		
5089111002	**FAW-MW03(2-4)-102913**	EPA 9045	WET/13636		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1718764

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Weston Solutions	Report To: laura.funk@westonsolutions.com	Attention:
Address: 711 E. Monument Ave Dayton OH 45402	Copy To:	Company Name:
Email To: laura.funk@westonsolutions.com	Purchase Order No.:	Address:
Phone: 937-531-4402 Fax:	Project Name: FAW	Pace Quote Reference:
Requested Due Date/TAT: Standard	Project Number: 20405.06.008.2234.00	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☒ OTHER Ohio VAP

Site Location STATE: OH

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	FOC	SVOC	PCB	TPH DRO	Metals	pH	VOC	TPH GRO	Flashpoint	TCLP VOC / TCLP SVOC	TCLP Metals	TCLP Pesticide/Herbicide	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FAW - BMW03 (0-2) - 102913	SL	G	10-29	1235				11										X	X	X	X	X	X						5089111
2	FAW - MW03 (2-4) - 102913	SL	G	10-29	1240				9											X	X	X	X	X	X					-001
3	FAW - MW03 (4-6) - 102913	SL	G	10-29	1252				8											X	X	X	X		X	X				-002
4	FAW - MW03 (21-23) - 102913	SL	G	10-29	1330				8											X	X	X	X		X	X				-003
5	FAW - MW03 (21-23) - 102913D	SL	G	10-29	1390				10											X	X	X	X		X	X				-004
6	FAW - TB04 - 102913			10-29					1																X					-005
7	FAW - IDW02 - 102913	SL	G	10-29	1400				4															X	X	X	X			-006
8																														-007
9																														
10																														
11																														
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Metals: Al, Sb, As, Ba, Be, Cd, Ca, Co, Cu, Pb, Mg, Ni, Se, Ag, Tl, V, Zn	Dustin Bates	10-29-13	1430		10/29/13	1445	5.4 4.6	Y Y	Y Y	Y Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dustin Bates

SIGNATURE of SAMPLER: Dustin Bates DATE Signed (MM/DD/YY): 10/29/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

James Jones 10/30/13 1145

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Weston Project # 5089111

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other

Tracking #:

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Date/Time 5035A kits placed in freezer 1143

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 5.4, 4.6 Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10/30/13 [illegible]

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes ☐No ☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	10.
Trip Blank Present:	☑Yes ☐No ☐N/A	11.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	12.
Sufficient Volume:	☒Yes ☐No ☐N/A	13.
Correct Containers Used:	☒Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Laura Funk Date/Time: 10/30 e-mail

Comments/ Resolution:

Hold Samples -004 + -005, until authorized to proceed. per Laura Funk 10/30/13.

Project Manager Review: Kenneth Hunt **Date:** 10/30/13

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: Weston

COC PAGE 1 of 1

COC ID#

Project # 5089111

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1			3		8											
2			3		6											
3			2		6											
4			2		6											
5			2		8											
6	1															
7			4													
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 13, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161180
Project ID: 5089111/WESTON SOLUTION

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on October 31, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161180

Client: PASI Indianapolis

Project ID: 5089111/WESTON SOLUTION

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/13/2013 09:12:55

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(504) 469-0333

Sample Cross Reference

Project: 20161180

Client: PASI Indianapolis

Project ID: 5089111/WESTON SOLUTION

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-MW03(0-2)-102913	201138739	Soil	29-Oct-13 12:35	31-Oct-13 09:20
FAW-IDW02-102913	201138740	Soil	29-Oct-13 14:00	31-Oct-13 09:20

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Project: 20161180

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

All surrogate recoveries were within QC limits.

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QC Cross Reference

Project: 20161180

Analytical Method	Batch	Sample used for QC
EPA 8151	221142	Project sample FAW-IDW02-102913
EPA 8081	221143	Project sample FAW-IDW02-102913
Dry Weight Moisture	220749	Client sample FAW-MW02(0-2)-102913 from project 20161179
ASTM D2974	221077	Client sample FAW-MW02(0-2)-102913 from project 20161179
ASTM D2974	221077	Client sample FAW-SB08(2-4)-110113 from project 20161344

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

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Client: PASI Indianapolis

Client ID: FAW-IDW02-102913
Project: 20161180
Project ID: 5089111/WESTON SOLUTION
Site: None
Lab ID: 201138740 (TCLP)
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: TCLP
Batch: 221143
Method: EPA 8081 (TCLP)
8081 Pests TCLP
Collected: 29-Oct-13
Received: 31-Oct-13
Prepared: 11-Nov-13

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	0.400	12-Nov-13 12:08	SLF
57-74-9	Chlordane	1	ND		0.00500	0.0300	12-Nov-13 12:08	SLF
72-20-8	Endrin	1	ND		0.00100	0.0200	12-Nov-13 12:08	SLF
76-44-8	Heptachlor	1	ND		0.000500	0.00800	12-Nov-13 12:08	SLF
1024-57-3	Heptachlor epoxide	1	ND		0.000500	0.00800	12-Nov-13 12:08	SLF
72-43-5	Methoxychlor	1	ND		0.00500	10.0	12-Nov-13 12:08	SLF
8001-35-2	Toxaphene	1	ND		0.0200	0.500	12-Nov-13 12:08	SLF

7 compound(s) reported

Protocol 11/13/2013 09:14:02

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-IDW02-102913
Project: 20161180
Project ID: 5089111/WESTON SOLUTION
Site: None
Lab ID: 201138740 (TCLP)
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: TCLP
Batch: 221142
Method: EPA 8151 (TCLP)
8151 Herbs TCLP
Collected: 29-Oct-13
Received: 31-Oct-13
Prepared: 11-Nov-13

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1	ND		0.0200	10.0	12-Nov-13 20:03	SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	1.00	12-Nov-13 20:03	SPP1

2 compound(s) reported

Protocol 11/13/2013 09:14:02

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Sample Results

Pace Analytical Services, Inc.
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(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-MW03(0-2)-102913
Project: 20161180
Project ID: 5089111/WESTON SOLUTION
Site: None
Lab ID: 201138739
Matrix: Soil
%Moisture: 19.2 Not Corrected
Description: None

Collected: 29-Oct-13
Received: 31-Oct-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	221077	1	6.22		% (w/w)	0.100	08-Nov-13	08-Nov-13 12:40 JMA	

1 parameter(s) reported

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St. Rose, LA 70087
(504) 469-0333

Surrogate Recovery

Batch: 221142 **Project:** 20161180

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201141881	221142 BLANK 1		78	76						
201141882	221142 LCS 1		73	71						
201138740	FAW-IDW02-102913		78	75						
201141917	FAW-IDW02-102913 MS 1		79	76						
201141918	FAW-IDW02-102913 MSD 1		76	73						
	QC limits:		10-166	10-166						

Sur 1: 2,4-DCPA (Conf)(S)
Sur 2: 2,4-DCPA (S)

*** denotes surrogate recovery outside of QC limits.**

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

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Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 221143 **Project:** 20161180

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201141885	221143 BLANK 1		72	74	26	28				
201141886	221143 LCS 1		75	75	33	36				
201138740	FAW-IDW02-102913		61	60	30	32				
201141887	FAW-IDW02-102913 MS 1		69	69	42	44				
201141888	FAW-IDW02-102913 MSD 1		67	64	29	29				
	QC limits:		10-137	10-137	18-119	18-119				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

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(504) 469-0333

Batch: 221143 **Project:** 20161180 **LCS:** 201141886 12-Nov-13 11:56

Method: TCLP GC Semivolatile Organics **MS:** 201141887 12-Nov-13 12:21

Units: mg/L **MSD:** 201141888 12-Nov-13 12:34

Original for MS: Client Sample 201138740

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
gamma-BHC (Lindane)	0.00500	0.00383	77	0.00500		0.00330	0.00327	66	65	1	28-128	17-149	20	
Endrin	0.00500	0.00385	77	0.00500		0.00324	0.00338	65	68	4	20-153	22-160	20	
Heptachlor	0.00500	0.00142	28	0.00500		0.00109	0.000911	22	18	18	10-115	10-134	20	
Heptachlor epoxide	0.00500	0.00350	70	0.00500		0.00295	0.00286	59	57	3	30-119	13-147	20	
Methoxychlor	0.00500	0.00395	79	0.00500		0.00342	0.00374	68	75	9	21-150	17-166	20	

5 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

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Batch: 221142 **Project:** 20161180 **LCS:** 201141882 12-Nov-13 18:43

Method: TCLP GC Semivolatile Organics **MS:** 201141917 12-Nov-13 20:20

Units: mg/L **MSD:** 201141918 12-Nov-13 20:36

Original for MS: Client Sample 201138740

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
2,4-D	0.0400	0.0313	78	0.0400		0.0339	0.0340	85	85	0	10-151	10-160	27	
2,4,5-TP (Silvex)	0.0400	0.0313	78	0.0400		0.0328	0.0334	82	84	2	22-158	16-164	20	

2 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
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Blank ID: 221142 BLANK 1 **Project:** 20161180

Lab ID: 201141881

Prep Level: TCLP **Batch:** 221142

Method: TCLP GC Semivolatile Organics

Prepared: 11-Nov-13

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis
94-75-7	2,4-D	1	ND		0.0200	12-Nov-13 18:27 SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	12-Nov-13 18:27 SPP1

2 compound(s) reported

Protocol Blank 11/13/2013 09:14:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 221143 BLANK 1 **Project:** 20161180

Lab ID: 201141885

Prep Level: TCLP **Batch:** 221143

Method: TCLP GC Semivolatile Organics

Prepared: 11-Nov-13

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	12-Nov-13 11:43	SLF
57-74-9	Chlordane	1	ND		0.00500	12-Nov-13 11:43	SLF
72-20-8	Endrin	1	ND		0.00100	12-Nov-13 11:43	SLF
76-44-8	Heptachlor	1	ND		0.000500	12-Nov-13 11:43	SLF
1024-57-3	Heptachlor epoxide	1	ND		0.000500	12-Nov-13 11:43	SLF
72-43-5	Methoxychlor	1	ND		0.00500	12-Nov-13 11:43	SLF
8001-35-2	Toxaphene	1	ND		0.0200	12-Nov-13 11:43	SLF

7 compound(s) reported

Protocol Blank 11/13/2013 09:14:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

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St. Rose, LA 70087
(504) 469-0333

Project: 20161180

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	221077	<0.100	% (w/w)										61 *			20	
Fractional Organic C	221077	<0.100	% (w/w)										31 *			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

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St. Rose, LA 70087
(504) 469-0333

Project: 20161180

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

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St. Rose, LA 7008
(504) 469-033

Chains of Custody

Chain of Custody

20161180 : PASI-IND1

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Workorder: 5089111 **Workorder Name:** FAW 20405.016.008.2234.00 **Owner Received Date:** 10/30/2013 **Results Requested By:** 11/12/2013

Report To	Subcontract To
Kenneth Hunt Pace Analytical Services, Inc. 7726 Moller Road Indianapolis, IN 46268 Phone (317)875-5894 Fax (317)872-6189	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: wgfu						Requested Analysis: FOC, ASTM Method	TCLP-Pesticides	TCLP-Herbicides									LAB USE ONLY
1	FAW-MW03(0-2)-102913	PS	10/29/2013 12:35	508911.1001	Solid	1						X											20113873
2	FAW-IDW02-102913	PS	10/29/2013 14:00	5089111007	Solid	1							X	X									740
3																							
4																							
5																							

Transfers	Released By	Date/Time	Received By	Date/Time
1	Marcia Bennett FedEx	10/30/13 13:10		
2		10-31-13 0920	[signature]	10-31-13
3				

Comments: 0920

Cooler Temperature on Receipt 4.1 °C **Custody Seal** (Y) or N **Received on Ice** (Y) or N **Samples Intact** (Y) or N

50/L4 - FOC
50/L10 - TCLP

Pace Analytical

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St. Rose, LA 70087

20161180 PASI-INDI

Sam

Courier: ☐ Pace Courier ☐ Hired Courier ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☑ Yes ☐ No

Therometer Used: ☐ Therm Fisher IR 5 ☐ Therm Fisher IR 6 ☑ Therm Fisher IR 7

Type of Ice: (Wet) Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10-31-13 tmB

Temp must be measured from Temperature blank when present

Temperature Blank Present"?	☐ Yes	☐ No	☑ N/A
Chain of Custody Present:	☑ Yes	☐ No	☐ N/A
Chain of Custody Complete:	☑ Yes	☐ No	☐ N/A
Chain of Custody Relinquished:	☑ Yes	☐ No	☐ N/A
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A
Samples Arrived within Hold Time:	☑ Yes	☐ No	☐ N/A
Sufficient Volume:	☑ Yes	☐ No	☐ N/A
Correct Containers Used:	☑ Yes	☐ No	☐ N/A
Filtered vol. Rec. for Diss. tests	☐ Yes	☐ No	☑ N/A
Sample Labels match COC:	☑ Yes	☐ No	☐ N/A
All containers received within manafacture's precautionary and/or expiration dates.	☑ Yes	☐ No	☐ N/A
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐ Yes	☐ No	☑ N/A
All containers preservation checked found to be in compliance with EPA recommendation.	☐ Yes	☐ No	☑ N/A
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A
Trip Blank Present:	☐ Yes	☑ No	

	Comments:
1	
2	
3	
4	
5	
6	
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13	If No, was preserative added? ☐ Yes ☐ No If added record lot no.: HNO3 _____ H2SO4 _____
14	
15	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 15Feb2013 SCUR Form - mod

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(317)875-5894

November 14, 2013

Ms. Laura Funk
Weston Solutions
711 East Monument Ave
Dayton, OH 45402

RE: Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Dear Ms. Funk:
Enclosed are the analytical results for sample(s) received by the laboratory on October 31, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5089175001	**FAW-SB06(0-2)-103013**	Solid	10/30/13 13:12	10/31/13 10:58
5089175002	**FAW-SB06(2-4)-103013**	Solid	10/30/13 13:15	10/31/13 10:58
5089175003	**FAW-SB06(8-10)-103013**	Solid	10/30/13 13:23	10/31/13 10:58
5089175004	**FAW-MW02(6-8)-103013**	Solid	10/30/13 15:42	10/31/13 10:58
5089175005	**FAW-TB05-103013**	Water	10/30/13 08:00	10/31/13 10:58

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5089175001	**FAW-SB06(0-2)-103013**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	DAE	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089175002	**FAW-SB06(2-4)-103013**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	ALA	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
		EPA 9045	TPD	1	PASI-I
5089175003	**FAW-SB06(8-10)-103013**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089175004	**FAW-MW02(6-8)-103013**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	DAE	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089175005	**FAW-TB05-103013**	EPA 8260	DAE	68	PASI-I

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(0-2)-103013 **Lab ID: 5089175001** Collected: 10/30/13 13:12 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**785**	mg/kg	247	61.8	10	11/01/13 10:28	11/04/13 10:18		
TPH (C10-C20)	**62.8J**	mg/kg	124	61.8	10	11/01/13 10:28	11/04/13 10:18		
TPH (C20-C34)	**722**	mg/kg	124	61.8	10	11/01/13 10:28	11/04/13 10:18		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/01/13 10:28	11/04/13 10:18	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	124	61.8	1	11/01/13 12:42	11/06/13 13:21	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	124	61.8	1	11/01/13 12:42	11/06/13 13:21	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	124	61.8	1	11/01/13 12:42	11/06/13 13:21	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	124	61.8	1	11/01/13 12:42	11/06/13 13:21	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	124	61.8	1	11/01/13 12:42	11/06/13 13:21	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	124	61.8	1	11/01/13 12:42	11/06/13 13:21	11097-69-1	
PCB-1260 (Aroclor 1260)	**81.8J**	ug/kg	124	61.8	1	11/01/13 12:42	11/06/13 13:21	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	57	%.	30-106		1	11/01/13 12:42	11/06/13 13:21	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.92	0.46	1		11/07/13 16:29		
Surrogates									
4-Bromofluorobenzene (S)	110	%.	38-163		1		11/07/13 16:29	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**12900**	mg/kg	59.8	29.9	1	11/02/13 08:38	11/04/13 08:36	7429-90-5	
Antimony	ND	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-36-0	
Arsenic	**14.6**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-38-2	
Barium	**724**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-39-3	
Beryllium	**0.90**	mg/kg	0.60	0.30	1	11/02/13 08:38	11/04/13 08:36	7440-41-7	
Cadmium	**0.89J**	mg/kg	2.4	0.60	1	11/02/13 08:38	11/04/13 08:36	7440-43-9	
Chromium	**19.5**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-47-3	
Cobalt	**11.0**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-48-4	
Copper	**44.0**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-50-8	
Lead	**97.5**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7439-92-1	
Nickel	**29.5**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-02-0	
Selenium	ND	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7782-49-2	
Silver	ND	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-22-4	
Thallium	ND	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-28-0	
Vanadium	**21.0**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-62-2	
Zinc	**463**	mg/kg	2.4	1.2	1	11/02/13 08:38	11/04/13 08:36	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**1.3**	mg/kg	0.24	0.21	1	11/04/13 11:15	11/05/13 13:23	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(0-2)-103013 **Lab ID: 5089175001** Collected: 10/30/13 13:12 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	83-32-9	
Acenaphthylene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	208-96-8	
Anthracene	**4940**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	120-12-7	
Benzo(a)anthracene	**11800**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	56-55-3	
Benzo(a)pyrene	**11700**	ug/kg	2090	2020	10	11/01/13 09:11	11/04/13 23:54	50-32-8	
Benzo(b)fluoranthene	**15000**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	205-99-2	
Benzo(g,h,i)perylene	**7450**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	191-24-2	
Benzo(k)fluoranthene	**6070**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	207-08-9	
Benzyl alcohol	ND	ug/kg	8100	4050	10	11/01/13 09:11	11/04/13 23:54	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	101-55-3	
Butylbenzylphthalate	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	8100	4050	10	11/01/13 09:11	11/04/13 23:54	59-50-7	
4-Chloroaniline	ND	ug/kg	8100	4050	10	11/01/13 09:11	11/04/13 23:54	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	108-60-1	
2-Chloronaphthalene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	91-58-7	
2-Chlorophenol	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	7005-72-3	
Chrysene	**13000**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2090	2020	10	11/01/13 09:11	11/04/13 23:54	53-70-3	
Dibenzofuran	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	120-83-2	
Diethylphthalate	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	105-67-9	
Dimethylphthalate	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	131-11-3	
Di-n-butylphthalate	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19600	9820	10	11/01/13 09:11	11/04/13 23:54	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19600	19600	10	11/01/13 09:11	11/04/13 23:54	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	606-20-2	
Di-n-octylphthalate	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	117-81-7	
Fluoranthene	**31000**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	206-44-0	
Fluorene	**2170J**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	4050	4050	10	11/01/13 09:11	11/04/13 23:54	77-47-4	
Hexachloroethane	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	67-72-1	
Indeno(1,2,3-cd)pyrene	**8510**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	193-39-5	
Isophorone	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	78-59-1	
2-Methylnaphthalene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	8100	4050	10	11/01/13 09:11	11/04/13 23:54		
Naphthalene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	91-20-3	
2-Nitroaniline	ND	ug/kg	19600	9820	10	11/01/13 09:11	11/04/13 23:54	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(0-2)-103013 **Lab ID: 5089175001** Collected: 10/30/13 13:12 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	19600	9820	10	11/01/13 09:11	11/04/13 23:54	99-09-2	
4-Nitroaniline	ND	ug/kg	19600	9820	10	11/01/13 09:11	11/04/13 23:54	100-01-6	
Nitrobenzene	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	98-95-3	
2-Nitrophenol	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	88-75-5	
4-Nitrophenol	ND	ug/kg	19600	9820	10	11/01/13 09:11	11/04/13 23:54	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	86-30-6	
Phenanthrene	**19800**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	85-01-8	
Phenol	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	108-95-2	1d
Pyrene	**24500**	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	4050	2020	10	11/01/13 09:11	11/04/13 23:54	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	78	%.	28-101		10	11/01/13 09:11	11/04/13 23:54	4165-60-0	
2-Fluorobiphenyl (S)	81	%.	31-94		10	11/01/13 09:11	11/04/13 23:54	321-60-8	
p-Terphenyl-d14 (S)	114	%.	26-110		10	11/01/13 09:11	11/04/13 23:54	1718-51-0	S4
Phenol-d5 (S)	85	%.	28-101		10	11/01/13 09:11	11/04/13 23:54	4165-62-2	
2-Fluorophenol (S)	86	%.	24-104		10	11/01/13 09:11	11/04/13 23:54	367-12-4	
2,4,6-Tribromophenol (S)	83	%.	16-122		10	11/01/13 09:11	11/04/13 23:54	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.092	0.046	1		11/11/13 16:43	67-64-1	
Acrolein	ND	mg/kg	0.092	0.046	1		11/11/13 16:43	107-02-8	
Benzene	ND	mg/kg	0.0046	0.00092	1		11/11/13 16:43	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-27-4	
Bromoform	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	0.011	1		11/11/13 16:43	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	98-06-6	
Carbon disulfide	ND	mg/kg	0.0092	0.0023	1		11/11/13 16:43	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	108-90-7	
Chloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	124-48-1	
Dibromomethane	ND	mg/kg	0.0046	0.0030	1		11/11/13 16:43	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(0-2)-103013 **Lab ID: 5089175001** Collected: 10/30/13 13:12 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.092	0.046	1		11/11/13 16:43	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.092	0.046	1		11/11/13 16:43	97-63-2	
n-Hexane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	110-54-3	N2
2-Hexanone	ND	mg/kg	0.092	0.046	1		11/11/13 16:43	591-78-6	
Iodomethane	ND	mg/kg	0.092	0.046	1		11/11/13 16:43	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0092	1		11/11/13 16:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	0.011	1		11/11/13 16:43	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0013	1		11/11/13 16:43	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	103-65-1	
Styrene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0018	1		11/11/13 16:43	127-18-4	
Toluene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.0016	1		11/11/13 16:43	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	108-67-8	
Vinyl acetate	ND	mg/kg	0.092	0.046	1		11/11/13 16:43	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	0.0023	1		11/11/13 16:43	75-01-4	
Xylene (Total)	ND	mg/kg	0.0092	0.0046	1		11/11/13 16:43	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	91	%.	85-118		1		11/11/13 16:43	1868-53-7	
Toluene-d8 (S)	103	%.	71-128		1		11/11/13 16:43	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(0-2)-103013 **Lab ID: 5089175001** Collected: 10/30/13 13:12 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	99	%.	56-144		1		11/11/13 16:43	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.0**	%	0.10	0.10	1		11/01/13 12:16		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(2-4)-103013 **Lab ID: 5089175002** Collected: 10/30/13 13:15 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**1220**	mg/kg	229	57.2	10	11/01/13 10:28	11/04/13 10:24		
TPH (C10-C20)	**99.8J**	mg/kg	114	57.2	10	11/01/13 10:28	11/04/13 10:24		
TPH (C20-C34)	**1120**	mg/kg	114	57.2	10	11/01/13 10:28	11/04/13 10:24		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/01/13 10:28	11/04/13 10:24	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1140	570	10	11/01/13 12:42	11/06/13 13:27	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1140	570	10	11/01/13 12:42	11/06/13 13:27	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1140	570	10	11/01/13 12:42	11/06/13 13:27	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1140	570	10	11/01/13 12:42	11/06/13 13:27	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1140	570	10	11/01/13 12:42	11/06/13 13:27	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1140	570	10	11/01/13 12:42	11/06/13 13:27	11097-69-1	
PCB-1260 (Aroclor 1260)	**973J**	ug/kg	1140	570	10	11/01/13 12:42	11/06/13 13:27	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/01/13 12:42	11/06/13 13:27	877-09-8	S4
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.0	0.51	1		11/07/13 16:54		
Surrogates									
4-Bromofluorobenzene (S)	87	%.	38-163		1		11/07/13 16:54	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11600**	mg/kg	54.8	27.4	1	11/02/13 08:38	11/04/13 08:39	7429-90-5	
Antimony	**7.2**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-36-0	
Arsenic	**22.1**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-38-2	
Barium	**591**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-39-3	
Beryllium	**0.87**	mg/kg	0.55	0.27	1	11/02/13 08:38	11/04/13 08:39	7440-41-7	
Cadmium	**34.6**	mg/kg	2.2	0.55	1	11/02/13 08:38	11/04/13 08:39	7440-43-9	
Chromium	**48.2**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-47-3	
Cobalt	**8.2**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-48-4	
Copper	**390**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-50-8	
Lead	**1370**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7439-92-1	
Nickel	**124**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-28-0	
Vanadium	**16.8**	mg/kg	2.2	1.1	1	11/02/13 08:38	11/04/13 08:39	7440-62-2	
Zinc	**3720**	mg/kg	11.0	5.5	5	11/02/13 08:38	11/04/13 09:20	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.47**	mg/kg	0.24	0.20	1	11/04/13 11:15	11/05/13 13:25	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(2-4)-103013 **Lab ID: 5089175002** Collected: 10/30/13 13:15 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	83-32-9	
Acenaphthylene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	208-96-8	
Anthracene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1940	1890	10	11/01/13 09:11	11/04/13 23:13	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	207-08-9	
Benzyl alcohol	ND	ug/kg	7550	3770	10	11/01/13 09:11	11/04/13 23:13	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7550	3770	10	11/01/13 09:11	11/04/13 23:13	59-50-7	
4-Chloroaniline	ND	ug/kg	7550	3770	10	11/01/13 09:11	11/04/13 23:13	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	91-58-7	
2-Chlorophenol	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	7005-72-3	
Chrysene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1940	1890	10	11/01/13 09:11	11/04/13 23:13	53-70-3	
Dibenzofuran	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	120-83-2	
Diethylphthalate	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	105-67-9	
Dimethylphthalate	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	18300	9150	10	11/01/13 09:11	11/04/13 23:13	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18300	18300	10	11/01/13 09:11	11/04/13 23:13	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	117-81-7	
Fluoranthene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	206-44-0	
Fluorene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3770	3770	10	11/01/13 09:11	11/04/13 23:13	77-47-4	
Hexachloroethane	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	193-39-5	
Isophorone	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7550	3770	10	11/01/13 09:11	11/04/13 23:13		
Naphthalene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	91-20-3	
2-Nitroaniline	ND	ug/kg	18300	9150	10	11/01/13 09:11	11/04/13 23:13	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(2-4)-103013 **Lab ID: 5089175002** Collected: 10/30/13 13:15 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	18300	9150	10	11/01/13 09:11	11/04/13 23:13	99-09-2	
4-Nitroaniline	ND	ug/kg	18300	9150	10	11/01/13 09:11	11/04/13 23:13	100-01-6	
Nitrobenzene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	98-95-3	
2-Nitrophenol	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	88-75-5	
4-Nitrophenol	ND	ug/kg	18300	9150	10	11/01/13 09:11	11/04/13 23:13	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	86-30-6	
Phenanthrene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	85-01-8	
Phenol	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	108-95-2	1d
Pyrene	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3770	1890	10	11/01/13 09:11	11/04/13 23:13	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	43	%.	28-101		10	11/01/13 09:11	11/04/13 23:13	4165-60-0	
2-Fluorobiphenyl (S)	53	%.	31-94		10	11/01/13 09:11	11/04/13 23:13	321-60-8	
p-Terphenyl-d14 (S)	71	%.	26-110		10	11/01/13 09:11	11/04/13 23:13	1718-51-0	
Phenol-d5 (S)	52	%.	28-101		10	11/01/13 09:11	11/04/13 23:13	4165-62-2	
2-Fluorophenol (S)	52	%.	24-104		10	11/01/13 09:11	11/04/13 23:13	367-12-4	
2,4,6-Tribromophenol (S)	47	%.	16-122		10	11/01/13 09:11	11/04/13 23:13	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.098	0.049	1		11/13/13 16:48	67-64-1	
Acrolein	ND	mg/kg	0.098	0.049	1		11/13/13 16:48	107-02-8	
Benzene	ND	mg/kg	0.0049	0.00098	1		11/13/13 16:48	71-43-2	
Bromobenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	108-86-1	
Bromochloromethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	75-27-4	
Bromoform	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	75-25-2	
Bromomethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.025	0.012	1		11/13/13 16:48	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	98-06-6	
Carbon disulfide	ND	mg/kg	0.0098	0.0025	1		11/13/13 16:48	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	56-23-5	
Chlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	108-90-7	
Chloroethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	75-00-3	
Chloroform	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	67-66-3	
Chloromethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	124-48-1	
Dibromomethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(2-4)-103013 **Lab ID: 5089175002** Collected: 10/30/13 13:15 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.098	0.049	1		11/13/13 16:48	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0049	0.0026	1		11/13/13 16:48	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.098	0.049	1		11/13/13 16:48	97-63-2	
n-Hexane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	110-54-3	N2
2-Hexanone	ND	mg/kg	0.098	0.049	1		11/13/13 16:48	591-78-6	
Iodomethane	ND	mg/kg	0.098	0.049	1		11/13/13 16:48	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	99-87-6	
Methylene Chloride	ND	mg/kg	0.020	0.0098	1		11/13/13 16:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.025	0.012	1		11/13/13 16:48	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	103-65-1	
Styrene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0049	0.00098	1		11/13/13 16:48	127-18-4	
Toluene	**0.0031J**	mg/kg	0.0049	0.0025	1		11/13/13 16:48	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	79-00-5	
Trichloroethene	ND	mg/kg	0.0049	0.00098	1		11/13/13 16:48	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	75-69-4	
1,2,4-Trimethylbenzene	**0.017**	mg/kg	0.0049	0.0025	1		11/13/13 16:48	95-63-6	
1,3,5-Trimethylbenzene	**0.010**	mg/kg	0.0049	0.0025	1		11/13/13 16:48	108-67-8	
Vinyl acetate	ND	mg/kg	0.098	0.049	1		11/13/13 16:48	108-05-4	
Vinyl chloride	ND	mg/kg	0.0049	0.0025	1		11/13/13 16:48	75-01-4	
Xylene (Total)	ND	mg/kg	0.0098	0.0049	1		11/13/13 16:48	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	116	%.	85-118		1		11/13/13 16:48	1868-53-7	
Toluene-d8 (S)	128	%.	71-128		1		11/13/13 16:48	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(2-4)-103013 **Lab ID: 5089175002** Collected: 10/30/13 13:15 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	73	%.	56-144		1		11/13/13 16:48	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.6**	%	0.10	0.10	1		11/01/13 12:16		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.6**	Std. Units	0.10		1		11/01/13 14:17		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(8-10)-103013 **Lab ID: 5089175003** Collected: 10/30/13 13:23 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**353**	mg/kg	234	58.4	10	11/01/13 10:28	11/04/13 10:31		
TPH (C10-C20)	ND	mg/kg	117	58.4	10	11/01/13 10:28	11/04/13 10:31		
TPH (C20-C34)	**321**	mg/kg	117	58.4	10	11/01/13 10:28	11/04/13 10:31		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/01/13 10:28	11/04/13 10:31	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	118	59.0	1	11/01/13 12:42	11/06/13 13:33	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	118	59.0	1	11/01/13 12:42	11/06/13 13:33	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	118	59.0	1	11/01/13 12:42	11/06/13 13:33	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	118	59.0	1	11/01/13 12:42	11/06/13 13:33	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	118	59.0	1	11/01/13 12:42	11/06/13 13:33	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	118	59.0	1	11/01/13 12:42	11/06/13 13:33	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	118	59.0	1	11/01/13 12:42	11/06/13 13:33	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	59	%.	30-106		1	11/01/13 12:42	11/06/13 13:33	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7360**	mg/kg	51.2	25.6	1	11/02/13 08:38	11/04/13 08:41	7429-90-5	
Antimony	ND	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-36-0	
Arsenic	**13.0**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-38-2	
Barium	**346**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-39-3	
Beryllium	**0.48J**	mg/kg	0.51	0.26	1	11/02/13 08:38	11/04/13 08:41	7440-41-7	
Cadmium	**4.6**	mg/kg	2.0	0.51	1	11/02/13 08:38	11/04/13 08:41	7440-43-9	
Chromium	**16.3**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-47-3	
Cobalt	**5.2**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-48-4	
Copper	**92.7**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-50-8	
Lead	**270**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7439-92-1	
Nickel	**18.1**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-02-0	
Selenium	ND	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7782-49-2	
Silver	**1.1J**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-22-4	
Thallium	ND	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-28-0	
Vanadium	**18.8**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-62-2	
Zinc	**1200**	mg/kg	2.0	1.0	1	11/02/13 08:38	11/04/13 08:41	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.39**	mg/kg	0.23	0.20	1	11/04/13 11:15	11/05/13 13:27	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	83-32-9	
Acenaphthylene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	208-96-8	
Anthracene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	56-55-3	
Benzo(a)pyrene	ND	ug/kg	2000	1940	10	11/01/13 09:11	11/04/13 23:33	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(8-10)-103013 **Lab ID: 5089175003** Collected: 10/30/13 13:23 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**2150J**	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	207-08-9	
Benzyl alcohol	ND	ug/kg	7770	3880	10	11/01/13 09:11	11/04/13 23:33	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7770	3880	10	11/01/13 09:11	11/04/13 23:33	59-50-7	
4-Chloroaniline	ND	ug/kg	7770	3880	10	11/01/13 09:11	11/04/13 23:33	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	91-58-7	
2-Chlorophenol	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	7005-72-3	
Chrysene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2000	1940	10	11/01/13 09:11	11/04/13 23:33	53-70-3	
Dibenzofuran	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	120-83-2	
Diethylphthalate	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	105-67-9	
Dimethylphthalate	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	18800	9410	10	11/01/13 09:11	11/04/13 23:33	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18800	18800	10	11/01/13 09:11	11/04/13 23:33	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	117-81-7	
Fluoranthene	**4310**	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	206-44-0	
Fluorene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3880	3880	10	11/01/13 09:11	11/04/13 23:33	77-47-4	
Hexachloroethane	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	193-39-5	
Isophorone	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7770	3880	10	11/01/13 09:11	11/04/13 23:33		
Naphthalene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	91-20-3	
2-Nitroaniline	ND	ug/kg	18800	9410	10	11/01/13 09:11	11/04/13 23:33	88-74-4	
3-Nitroaniline	ND	ug/kg	18800	9410	10	11/01/13 09:11	11/04/13 23:33	99-09-2	
4-Nitroaniline	ND	ug/kg	18800	9410	10	11/01/13 09:11	11/04/13 23:33	100-01-6	
Nitrobenzene	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	98-95-3	
2-Nitrophenol	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	88-75-5	
4-Nitrophenol	ND	ug/kg	18800	9410	10	11/01/13 09:11	11/04/13 23:33	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-SB06(8-10)-103013 **Lab ID: 5089175003** Collected: 10/30/13 13:23 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	86-30-6	
Phenanthrene	**3000J**	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	85-01-8	
Phenol	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	108-95-2	
Pyrene	**3390J**	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3880	1940	10	11/01/13 09:11	11/04/13 23:33	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	44	%.	28-101		10	11/01/13 09:11	11/04/13 23:33	4165-60-0	
2-Fluorobiphenyl (S)	47	%.	31-94		10	11/01/13 09:11	11/04/13 23:33	321-60-8	
p-Terphenyl-d14 (S)	61	%.	26-110		10	11/01/13 09:11	11/04/13 23:33	1718-51-0	
Phenol-d5 (S)	47	%.	28-101		10	11/01/13 09:11	11/04/13 23:33	4165-62-2	
2-Fluorophenol (S)	48	%.	24-104		10	11/01/13 09:11	11/04/13 23:33	367-12-4	
2,4,6-Tribromophenol (S)	43	%.	16-122		10	11/01/13 09:11	11/04/13 23:33	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.3**	%	0.10	0.10	1		11/01/13 12:16		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-MW02(6-8)-103013 **Lab ID: 5089175004** Collected: 10/30/13 15:42 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**305**	mg/kg	219	54.7	10	11/01/13 10:28	11/04/13 10:38		
TPH (C10-C20)	**62.4J**	mg/kg	109	54.7	10	11/01/13 10:28	11/04/13 10:38		
TPH (C20-C34)	**243**	mg/kg	109	54.7	10	11/01/13 10:28	11/04/13 10:38		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/01/13 10:28	11/04/13 10:38	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	109	54.3	1	11/01/13 12:42	11/05/13 13:57	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	109	54.3	1	11/01/13 12:42	11/05/13 13:57	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	109	54.3	1	11/01/13 12:42	11/05/13 13:57	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	109	54.3	1	11/01/13 12:42	11/05/13 13:57	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	109	54.3	1	11/01/13 12:42	11/05/13 13:57	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	109	54.3	1	11/01/13 12:42	11/05/13 13:57	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	109	54.3	1	11/01/13 12:42	11/05/13 13:57	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	65	%.	30-106		1	11/01/13 12:42	11/05/13 13:57	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.78	0.39	1		11/07/13 17:18		
Surrogates									
4-Bromofluorobenzene (S)	103	%.	38-163		1		11/07/13 17:18	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**8220**	mg/kg	53.5	26.8	1	11/02/13 08:38	11/04/13 08:43	7429-90-5	
Antimony	ND	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-36-0	
Arsenic	**14.6**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-38-2	
Barium	**292**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-39-3	
Beryllium	**0.73**	mg/kg	0.54	0.27	1	11/02/13 08:38	11/04/13 08:43	7440-41-7	
Cadmium	ND	mg/kg	2.1	0.54	1	11/02/13 08:38	11/04/13 08:43	7440-43-9	
Chromium	**11.9**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-47-3	
Cobalt	**6.3**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-48-4	
Copper	**50.1**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-50-8	
Lead	**318**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7439-92-1	
Nickel	**18.4**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-02-0	
Selenium	ND	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7782-49-2	
Silver	ND	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-22-4	
Thallium	ND	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-28-0	
Vanadium	**17.7**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-62-2	
Zinc	**217**	mg/kg	2.1	1.1	1	11/02/13 08:38	11/04/13 08:43	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.41**	mg/kg	0.22	0.19	1	11/04/13 11:15	11/05/13 13:29	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-MW02(6-8)-103013 **Lab ID: 5089175004** Collected: 10/30/13 15:42 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**501**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	83-32-9	
Acenaphthylene	**554**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	208-96-8	
Anthracene	**1780**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	120-12-7	
Benzo(a)anthracene	**4810**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	56-55-3	
Benzo(a)pyrene	**4090**	ug/kg	187	181	1	11/01/13 09:11	11/05/13 16:59	50-32-8	
Benzo(b)fluoranthene	**5700**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	205-99-2	
Benzo(g,h,i)perylene	**2400**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	191-24-2	
Benzo(k)fluoranthene	**2010**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	207-08-9	
Benzyl alcohol	ND	ug/kg	724	362	1	11/01/13 09:11	11/05/13 16:59	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	101-55-3	
Butylbenzylphthalate	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	724	362	1	11/01/13 09:11	11/05/13 16:59	59-50-7	
4-Chloroaniline	ND	ug/kg	724	362	1	11/01/13 09:11	11/05/13 16:59	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	108-60-1	
2-Chloronaphthalene	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	91-58-7	
2-Chlorophenol	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	7005-72-3	
Chrysene	**4610**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	187	181	1	11/01/13 09:11	11/05/13 16:59	53-70-3	
Dibenzofuran	**498**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	120-83-2	
Diethylphthalate	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	105-67-9	
Dimethylphthalate	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	131-11-3	
Di-n-butylphthalate	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1760	878	1	11/01/13 09:11	11/05/13 16:59	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1760	1760	1	11/01/13 09:11	11/05/13 16:59	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	606-20-2	
Di-n-octylphthalate	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	117-81-7	
Fluoranthene	**14700**	ug/kg	3620	1810	10	11/01/13 09:11	11/12/13 20:40	206-44-0	
Fluorene	**580**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	362	362	1	11/01/13 09:11	11/05/13 16:59	77-47-4	
Hexachloroethane	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	67-72-1	
Indeno(1,2,3-cd)pyrene	**2300**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	193-39-5	
Isophorone	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	78-59-1	
2-Methylnaphthalene	**684**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	724	362	1	11/01/13 09:11	11/05/13 16:59		
Naphthalene	**605**	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	91-20-3	
2-Nitroaniline	ND	ug/kg	1760	878	1	11/01/13 09:11	11/05/13 16:59	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-MW02(6-8)-103013 **Lab ID: 5089175004** Collected: 10/30/13 15:42 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1760	878	1	11/01/13 09:11	11/05/13 16:59	99-09-2	
4-Nitroaniline	ND	ug/kg	1760	878	1	11/01/13 09:11	11/05/13 16:59	100-01-6	
Nitrobenzene	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	98-95-3	
2-Nitrophenol	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	88-75-5	
4-Nitrophenol	ND	ug/kg	1760	878	1	11/01/13 09:11	11/05/13 16:59	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	86-30-6	
Phenanthrene	**10300**	ug/kg	3620	1810	10	11/01/13 09:11	11/12/13 20:40	85-01-8	
Phenol	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	108-95-2	
Pyrene	**12300**	ug/kg	3620	1810	10	11/01/13 09:11	11/12/13 20:40	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	362	181	1	11/01/13 09:11	11/05/13 16:59	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	66	%.	28-101		1	11/01/13 09:11	11/05/13 16:59	4165-60-0	
2-Fluorobiphenyl (S)	68	%.	31-94		1	11/01/13 09:11	11/05/13 16:59	321-60-8	
p-Terphenyl-d14 (S)	87	%.	26-110		1	11/01/13 09:11	11/05/13 16:59	1718-51-0	
Phenol-d5 (S)	60	%.	28-101		1	11/01/13 09:11	11/05/13 16:59	4165-62-2	
2-Fluorophenol (S)	69	%.	24-104		1	11/01/13 09:11	11/05/13 16:59	367-12-4	
2,4,6-Tribromophenol (S)	74	%.	16-122		1	11/01/13 09:11	11/05/13 16:59	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.077	0.038	1		11/11/13 17:49	67-64-1	
Acrolein	ND	mg/kg	0.077	0.038	1		11/11/13 17:49	107-02-8	
Benzene	ND	mg/kg	0.0038	0.00077	1		11/11/13 17:49	71-43-2	
Bromobenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	108-86-1	
Bromochloromethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-27-4	
Bromoform	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-25-2	
Bromomethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.019	0.0092	1		11/11/13 17:49	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	98-06-6	
Carbon disulfide	ND	mg/kg	0.0077	0.0019	1		11/11/13 17:49	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	56-23-5	
Chlorobenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	108-90-7	
Chloroethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-00-3	
Chloroform	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	67-66-3	
Chloromethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	124-48-1	
Dibromomethane	ND	mg/kg	0.0038	0.0025	1		11/11/13 17:49	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-MW02(6-8)-103013 **Lab ID: 5089175004** Collected: 10/30/13 15:42 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.077	0.038	1		11/11/13 17:49	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.077	0.038	1		11/11/13 17:49	97-63-2	
n-Hexane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	110-54-3	N2
2-Hexanone	ND	mg/kg	0.077	0.038	1		11/11/13 17:49	591-78-6	
Iodomethane	ND	mg/kg	0.077	0.038	1		11/11/13 17:49	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	99-87-6	
Methylene Chloride	ND	mg/kg	0.015	0.0077	1		11/11/13 17:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.019	0.0092	1		11/11/13 17:49	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0038	0.0011	1		11/11/13 17:49	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	103-65-1	
Styrene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0038	0.0015	1		11/11/13 17:49	127-18-4	
Toluene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	79-00-5	
Trichloroethene	ND	mg/kg	0.0038	0.0013	1		11/11/13 17:49	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	108-67-8	
Vinyl acetate	ND	mg/kg	0.077	0.038	1		11/11/13 17:49	108-05-4	
Vinyl chloride	ND	mg/kg	0.0038	0.0019	1		11/11/13 17:49	75-01-4	
Xylene (Total)	ND	mg/kg	0.0077	0.0038	1		11/11/13 17:49	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	92	%.	85-118		1		11/11/13 17:49	1868-53-7	
Toluene-d8 (S)	110	%.	71-128		1		11/11/13 17:49	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-MW02(6-8)-103013 **Lab ID: 5089175004** Collected: 10/30/13 15:42 Received: 10/31/13 10:58 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	87	%.	56-144		1		11/11/13 17:49	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.8**	%	0.10	0.10	1		11/01/13 12:16		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-TB05-103013 **Lab ID: 5089175005** Collected: 10/30/13 08:00 Received: 10/31/13 10:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/08/13 19:37	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/08/13 19:37	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/08/13 19:37	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/08/13 19:37	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/08/13 19:37	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/08/13 19:37	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/08/13 19:37	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-25-2	
Bromomethane	ND	ug/L	5.0	3.9	1		11/08/13 19:37	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/08/13 19:37	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/08/13 19:37	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/08/13 19:37	67-66-3	
Chloromethane	ND	ug/L	5.0	3.0	1		11/08/13 19:37	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.7	1		11/08/13 19:37	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/08/13 19:37	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	100-41-4	
Iodomethane	ND	ug/L	10.0	5.3	1		11/08/13 19:37	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/08/13 19:37	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/08/13 19:37	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Sample: FAW-TB05-103013 **Lab ID: 5089175005** Collected: 10/30/13 08:00 Received: 10/31/13 10:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.4	1		11/08/13 19:37	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.1	1		11/08/13 19:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/08/13 19:37	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.2	1		11/08/13 19:37	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/08/13 19:37	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/08/13 19:37	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 19:37	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/08/13 19:37	110-57-6	
Surrogates									
Dibromofluoromethane (S)	107	%.	79-116		1		11/08/13 19:37	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114		1		11/08/13 19:37	460-00-4	
Toluene-d8 (S)	97	%.	81-110		1		11/08/13 19:37	2037-26-5	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

QC Batch: GCV/17349 Analysis Method: EPA 8015 Mod Pur
QC Batch Method: EPA 8015 Mod Pur Analysis Description: 8015 GRO 5035
Associated Lab Samples: 5089175001, 5089175002, 5089175004

METHOD BLANK: 1008840 Matrix: Solid
Associated Lab Samples: 5089175001, 5089175002, 5089175004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C12)	mg/kg	ND	1.0	11/07/13 11:55	
4-Bromofluorobenzene (S)	%.	99	38-163	11/07/13 11:55	

LABORATORY CONTROL SAMPLE: 1008841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C12)	mg/kg	10	10.0	100	75-139	
4-Bromofluorobenzene (S)	%.			101	38-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1008842 1008843

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C06-C12)	mg/kg	ND	8.5	8.8	7.5	7.9	88	89	10-151	5	20	
4-Bromofluorobenzene (S)	%.						118	124	38-163		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

QC Batch: MERP/5007 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 5089175001, 5089175002, 5089175003, 5089175004

METHOD BLANK: 1006425 Matrix: Solid
Associated Lab Samples: 5089175001, 5089175002, 5089175003, 5089175004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.20	11/05/13 12:33	

LABORATORY CONTROL SAMPLE: 1006426

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.51	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006427 1006428

Parameter	Units	5089203010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	.6	.61	0.60	0.61	97	98	75-125	2	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

QC Batch: MPRP/12367 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5089175001, 5089175002, 5089175003, 5089175004

METHOD BLANK: 1006347 Matrix: Solid
Associated Lab Samples: 5089175001, 5089175002, 5089175003, 5089175004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	50.0	11/04/13 08:28	
Antimony	mg/kg	ND	2.0	11/04/13 08:28	
Arsenic	mg/kg	ND	2.0	11/04/13 08:28	
Barium	mg/kg	ND	2.0	11/04/13 08:28	
Beryllium	mg/kg	ND	0.50	11/04/13 08:28	
Cadmium	mg/kg	ND	2.0	11/04/13 08:28	
Chromium	mg/kg	ND	2.0	11/04/13 08:28	
Cobalt	mg/kg	ND	2.0	11/04/13 08:28	
Copper	mg/kg	ND	2.0	11/04/13 08:28	
Lead	mg/kg	ND	2.0	11/04/13 08:28	
Nickel	mg/kg	ND	2.0	11/04/13 08:28	
Selenium	mg/kg	ND	2.0	11/04/13 08:28	
Silver	mg/kg	ND	2.0	11/04/13 08:28	
Thallium	mg/kg	ND	2.0	11/04/13 08:28	
Vanadium	mg/kg	ND	2.0	11/04/13 08:28	
Zinc	mg/kg	ND	2.0	11/04/13 08:28	

LABORATORY CONTROL SAMPLE: 1006348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	532	106	80-120	
Antimony	mg/kg	50	52.6	105	80-120	
Arsenic	mg/kg	50	52.2	104	80-120	
Barium	mg/kg	50	53.6	107	80-120	
Beryllium	mg/kg	50	50.7	101	80-120	
Cadmium	mg/kg	50	50.6	101	80-120	
Chromium	mg/kg	50	51.6	103	80-120	
Cobalt	mg/kg	50	52.0	104	80-120	
Copper	mg/kg	50	52.4	105	80-120	
Lead	mg/kg	50	50.6	101	80-120	
Nickel	mg/kg	50	52.4	105	80-120	
Selenium	mg/kg	50	51.0	102	80-120	
Silver	mg/kg	25	25.9	104	80-120	
Thallium	mg/kg	50	51.4	103	80-120	
Vanadium	mg/kg	50	53.5	107	80-120	
Zinc	mg/kg	50	50.0	100	80-120	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006349 1006350

Parameter	Units	5089181003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/kg	6210	583	596	9200	9450	513	544	75-125	3	20	P6
Antimony	mg/kg	ND	58.3	59.6	17.0	18.2	29	30	75-125	7	20	M3
Arsenic	mg/kg	30.0	58.3	59.6	73.2	71.5	74	70	75-125	2	20	M3
Barium	mg/kg	24.8	58.3	59.6	83.3	84.2	100	100	75-125	1	20	
Beryllium	mg/kg	0.31J	58.3	59.6	51.1	52.7	87	88	75-125	3	20	
Cadmium	mg/kg	ND	58.3	59.6	52.4	54.2	89	90	75-125	3	20	
Chromium	mg/kg	9.0	58.3	59.6	61.2	64.0	90	92	75-125	5	20	
Cobalt	mg/kg	8.8	58.3	59.6	58.1	59.6	85	85	75-125	3	20	
Copper	mg/kg	20.1	58.3	59.6	70.3	72.1	86	87	75-125	3	20	
Lead	mg/kg	13.4	58.3	59.6	63.2	63.6	85	84	75-125	1	20	
Nickel	mg/kg	20.5	58.3	59.6	70.8	72.0	86	86	75-125	2	20	
Selenium	mg/kg	ND	58.3	59.6	51.2	52.9	87	88	75-125	3	20	
Silver	mg/kg	ND	29.1	29.9	25.9	26.8	89	90	75-125	3	20	
Thallium	mg/kg	ND	58.3	59.6	49.3	51.2	84	85	75-125	4	20	
Vanadium	mg/kg	17.5	58.3	59.6	72.7	76.1	95	98	75-125	5	20	
Zinc	mg/kg	51.7	58.3	59.6	105	103	91	86	75-125	2	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

QC Batch: MSV/59136
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 5089175005

METHOD BLANK: 1010002
Matrix: Water
Associated Lab Samples: 5089175005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/08/13 13:37	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/08/13 13:37	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/08/13 13:37	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/08/13 13:37	
1,1-Dichloroethane	ug/L	ND	5.0	11/08/13 13:37	
1,1-Dichloroethene	ug/L	ND	5.0	11/08/13 13:37	
1,1-Dichloropropene	ug/L	ND	5.0	11/08/13 13:37	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/08/13 13:37	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/08/13 13:37	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/08/13 13:37	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/08/13 13:37	
1,2-Dichloroethane	ug/L	ND	5.0	11/08/13 13:37	
1,2-Dichloropropane	ug/L	ND	5.0	11/08/13 13:37	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/08/13 13:37	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/08/13 13:37	
1,3-Dichloropropane	ug/L	ND	5.0	11/08/13 13:37	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/08/13 13:37	
2,2-Dichloropropane	ug/L	ND	5.0	11/08/13 13:37	
2-Butanone (MEK)	ug/L	ND	25.0	11/08/13 13:37	
2-Chlorotoluene	ug/L	ND	5.0	11/08/13 13:37	
2-Hexanone	ug/L	ND	25.0	11/08/13 13:37	
4-Chlorotoluene	ug/L	ND	5.0	11/08/13 13:37	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/08/13 13:37	
Acetone	ug/L	ND	100	11/08/13 13:37	
Acrolein	ug/L	ND	50.0	11/08/13 13:37	
Benzene	ug/L	ND	5.0	11/08/13 13:37	
Bromobenzene	ug/L	ND	5.0	11/08/13 13:37	
Bromochloromethane	ug/L	ND	5.0	11/08/13 13:37	
Bromodichloromethane	ug/L	ND	5.0	11/08/13 13:37	
Bromoform	ug/L	ND	5.0	11/08/13 13:37	
Bromomethane	ug/L	ND	5.0	11/08/13 13:37	
Carbon disulfide	ug/L	ND	10.0	11/08/13 13:37	
Carbon tetrachloride	ug/L	ND	5.0	11/08/13 13:37	
Chlorobenzene	ug/L	ND	5.0	11/08/13 13:37	
Chloroethane	ug/L	ND	5.0	11/08/13 13:37	
Chloroform	ug/L	ND	5.0	11/08/13 13:37	
Chloromethane	ug/L	ND	5.0	11/08/13 13:37	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/08/13 13:37	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/08/13 13:37	
Dibromochloromethane	ug/L	ND	5.0	11/08/13 13:37	
Dibromomethane	ug/L	ND	5.0	11/08/13 13:37	
Dichlorodifluoromethane	ug/L	ND	5.0	11/08/13 13:37	
Ethyl methacrylate	ug/L	ND	100	11/08/13 13:37	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

METHOD BLANK: 1010002 Matrix: Water

Associated Lab Samples: 5089175005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	5.0	11/08/13 13:37	
Iodomethane	ug/L	ND	10.0	11/08/13 13:37	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/08/13 13:37	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/08/13 13:37	
Methylene Chloride	ug/L	ND	5.0	11/08/13 13:37	
n-Butylbenzene	ug/L	ND	5.0	11/08/13 13:37	
n-Hexane	ug/L	ND	5.0	11/08/13 13:37	N2
n-Propylbenzene	ug/L	ND	5.0	11/08/13 13:37	
p-Isopropyltoluene	ug/L	ND	5.0	11/08/13 13:37	
sec-Butylbenzene	ug/L	ND	5.0	11/08/13 13:37	
Styrene	ug/L	ND	5.0	11/08/13 13:37	
tert-Butylbenzene	ug/L	ND	5.0	11/08/13 13:37	
Tetrachloroethene	ug/L	ND	5.0	11/08/13 13:37	
Toluene	ug/L	ND	5.0	11/08/13 13:37	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/08/13 13:37	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/08/13 13:37	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/08/13 13:37	
Trichloroethene	ug/L	ND	5.0	11/08/13 13:37	
Trichlorofluoromethane	ug/L	ND	5.0	11/08/13 13:37	
Vinyl acetate	ug/L	ND	50.0	11/08/13 13:37	
Vinyl chloride	ug/L	ND	2.0	11/08/13 13:37	
Xylene (Total)	ug/L	ND	10.0	11/08/13 13:37	
4-Bromofluorobenzene (S)	%.	98	80-114	11/08/13 13:37	
Dibromofluoromethane (S)	%.	108	79-116	11/08/13 13:37	
Toluene-d8 (S)	%.	93	81-110	11/08/13 13:37	

LABORATORY CONTROL SAMPLE: 1010003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	44.9	90	61-135	
1,1,1-Trichloroethane	ug/L	50	54.1	108	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	54.0	108	66-126	
1,1,2-Trichloroethane	ug/L	50	51.4	103	77-130	
1,1-Dichloroethane	ug/L	50	47.7	95	75-130	
1,1-Dichloroethene	ug/L	50	49.5	99	68-127	
1,1-Dichloropropene	ug/L	50	52.4	105	78-130	
1,2,3-Trichlorobenzene	ug/L	50	48.5	97	70-130	
1,2,4-Trichlorobenzene	ug/L	50	50.6	101	68-131	
1,2,4-Trimethylbenzene	ug/L	50	50.1	100	69-127	
1,2-Dichlorobenzene	ug/L	50	51.4	103	75-123	
1,2-Dichloroethane	ug/L	50	47.1	94	75-128	
1,2-Dichloropropane	ug/L	50	52.9	106	74-121	
1,3,5-Trimethylbenzene	ug/L	50	54.3	109	70-126	
1,3-Dichlorobenzene	ug/L	50	53.2	106	74-122	
1,3-Dichloropropane	ug/L	50	55.5	111	74-123	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

LABORATORY CONTROL SAMPLE: 1010003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	51.4	103	76-120	
2,2-Dichloropropane	ug/L	50	58.2	116	50-137	
2-Butanone (MEK)	ug/L	250	288	115	58-139	
2-Chlorotoluene	ug/L	50	52.5	105	74-122	
2-Hexanone	ug/L	250	268	107	54-140	
4-Chlorotoluene	ug/L	50	56.1	112	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	256	102	58-138	
Acetone	ug/L	250	330	132	49-150	
Acrolein	ug/L	1000	978	98	41-200	
Benzene	ug/L	50	48.8	98	74-122	
Bromobenzene	ug/L	50	48.7	97	72-127	
Bromochloromethane	ug/L	50	43.6	87	63-132	
Bromodichloromethane	ug/L	50	55.0	110	62-136	
Bromoform	ug/L	50	46.8	94	44-134	
Bromomethane	ug/L	50	50.4	101	22-181	
Carbon disulfide	ug/L	100	104	104	59-132	
Carbon tetrachloride	ug/L	50	45.8	92	56-137	
Chlorobenzene	ug/L	50	48.5	97	78-123	
Chloroethane	ug/L	50	54.4	109	60-144	
Chloroform	ug/L	50	48.5	97	78-126	
Chloromethane	ug/L	50	47.0	94	42-134	
cis-1,2-Dichloroethene	ug/L	50	48.7	97	75-122	
cis-1,3-Dichloropropene	ug/L	50	46.5	93	64-126	
Dibromochloromethane	ug/L	50	46.6	93	58-128	
Dibromomethane	ug/L	50	50.0	100	73-125	
Dichlorodifluoromethane	ug/L	50	41.9	84	35-181	
Ethyl methacrylate	ug/L	200	204	102	69-133	
Ethylbenzene	ug/L	50	51.5	103	66-133	
Iodomethane	ug/L	100	89.4	89	21-170	
Isopropylbenzene (Cumene)	ug/L	50	57.5	115	69-124	
Methyl-tert-butyl ether	ug/L	100	115	115	69-122	
Methylene Chloride	ug/L	50	50.8	102	68-132	
n-Butylbenzene	ug/L	50	50.1	100	70-126	
n-Hexane	ug/L	50	53.8	108	51-125	N2
n-Propylbenzene	ug/L	50	54.5	109	71-122	
p-Isopropyltoluene	ug/L	50	50.8	102	72-132	
sec-Butylbenzene	ug/L	50	56.2	112	70-128	
Styrene	ug/L	50	56.3	113	74-126	
tert-Butylbenzene	ug/L	50	45.9	92	51-118	
Tetrachloroethene	ug/L	50	52.4	105	69-130	
Toluene	ug/L	50	48.7	97	72-122	
trans-1,2-Dichloroethene	ug/L	50	49.0	98	72-124	
trans-1,3-Dichloropropene	ug/L	50	47.2	94	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	205	102	56-133	
Trichloroethene	ug/L	50	48.8	98	76-126	
Trichlorofluoromethane	ug/L	50	47.5	95	76-149	
Vinyl acetate	ug/L	200	235	118	45-151	
Vinyl chloride	ug/L	50	50.3	101	59-126	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

LABORATORY CONTROL SAMPLE: 1010003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	161	108	70-124	
4-Bromofluorobenzene (S)	%.			98	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			98	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010004 1010005

Parameter	Units	5089135001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	42.2	44.6	84	89	50-132	6	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	55.7	58.4	111	117	60-138	5	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	47.9	49.4	96	99	55-128	3	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	48.5	48.2	97	96	61-139	1	20	
1,1-Dichloroethane	ug/L	ND	50	50	51.6	50.2	103	100	57-147	3	20	
1,1-Dichloroethene	ug/L	ND	50	50	53.6	53.0	107	106	55-145	1	20	
1,1-Dichloropropene	ug/L	ND	50	50	56.2	53.5	112	107	55-147	5	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	41.3	42.4	83	85	31-141	3	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	43.0	44.4	86	89	25-143	3	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	47.3	47.4	95	95	18-149	0	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	48.5	48.7	97	97	38-136	0	20	
1,2-Dichloroethane	ug/L	ND	50	50	48.2	47.8	96	96	62-138	1	20	
1,2-Dichloropropane	ug/L	ND	50	50	56.1	56.0	112	112	59-130	0	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	51.9	51.7	104	103	20-147	0	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	48.5	49.8	97	100	28-141	3	20	
1,3-Dichloropropane	ug/L	ND	50	50	53.4	53.7	107	107	62-127	1	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	47.3	47.5	95	95	30-139	0	20	
2,2-Dichloropropane	ug/L	ND	50	50	32.8	36.4	66	73	37-139	11	20	
2-Butanone (MEK)	ug/L	ND	250	250	259	254	104	102	37-156	2	20	
2-Chlorotoluene	ug/L	ND	50	50	50.3	50.8	101	102	27-142	1	20	
2-Hexanone	ug/L	ND	250	250	230	239	92	96	44-143	4	20	
4-Chlorotoluene	ug/L	ND	50	50	53.0	53.0	106	106	27-144	0	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	228	233	91	93	46-144	2	20	
Acetone	ug/L	ND	250	250	287	292	115	117	39-156	2	20	
Acrolein	ug/L	ND	1000	1000	862	846	86	85	33-200	2	20	
Benzene	ug/L	ND	50	50	50.3	49.6	101	99	62-129	1	20	
Bromobenzene	ug/L	ND	50	50	47.4	47.7	95	95	39-140	1	20	
Bromochloromethane	ug/L	ND	50	50	47.3	45.9	95	92	49-142	3	20	
Bromodichloromethane	ug/L	ND	50	50	56.4	56.6	113	113	50-142	0	20	
Bromoform	ug/L	ND	50	50	40.8	44.7	82	89	36-125	9	20	
Bromomethane	ug/L	ND	50	50	60.9	62.4	122	125	13-179	2	20	
Carbon disulfide	ug/L	ND	100	100	114	112	114	112	45-142	2	20	
Carbon tetrachloride	ug/L	ND	50	50	44.5	46.8	89	94	46-142	5	20	
Chlorobenzene	ug/L	ND	50	50	48.9	48.5	98	97	49-136	1	20	
Chloroethane	ug/L	ND	50	50	62.8	58.2	126	116	47-160	8	20	
Chloroform	ug/L	ND	50	50	51.5	50.1	103	100	54-150	3	20	
Chloromethane	ug/L	ND	50	50	55.1	54.2	110	108	30-148	2	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	50.8	48.6	102	97	60-135	4	20	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010004 1010005

Parameter	Units	5089135001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	ug/L	ND	50	50	39.2	41.0	78	82	52-123	5	20	
Dibromochloromethane	ug/L	ND	50	50	43.4	45.7	87	91	48-125	5	20	
Dibromomethane	ug/L	ND	50	50	52.1	49.8	104	100	59-134	5	20	
Dichlorodifluoromethane	ug/L	ND	50	50	49.2	46.3	98	93	24-197	6	20	
Ethyl methacrylate	ug/L	ND	200	200	189	196	94	98	55-139	4	20	
Ethylbenzene	ug/L	ND	50	50	51.7	53.0	103	106	28-153	3	20	
Iodomethane	ug/L	ND	100	100	98.2	105	98	105	17-157	7	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	57.1	56.9	114	114	18-152	0	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	111	114	111	114	63-130	2	20	
Methylene Chloride	ug/L	ND	50	50	53.8	52.2	108	104	45-156	3	20	
n-Butylbenzene	ug/L	ND	50	50	44.1	44.7	88	89	10-161	2	20	
n-Hexane	ug/L	ND	50	50	48.9	45.9	98	92	33-144	6	20	N2
n-Propylbenzene	ug/L	ND	50	50	52.0	51.6	104	103	16-150	1	20	
p-Isopropyltoluene	ug/L	ND	50	50	46.9	47.2	94	94	10-163	1	20	
sec-Butylbenzene	ug/L	ND	50	50	52.2	53.5	104	107	10-160	2	20	
Styrene	ug/L	ND	50	50	55.5	56.5	111	113	36-139	2	20	
tert-Butylbenzene	ug/L	ND	50	50	44.0	45.1	88	90	12-134	3	20	
Tetrachloroethene	ug/L	ND	50	50	50.6	50.3	101	101	33-151	1	20	
Toluene	ug/L	ND	50	50	49.2	48.7	98	97	50-132	1	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	52.9	51.0	106	102	40-153	4	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	39.3	42.4	79	85	48-122	8	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	149	162	75	81	32-139	8	20	
Trichloroethene	ug/L	ND	50	50	50.8	48.5	102	97	50-143	5	20	
Trichlorofluoromethane	ug/L	ND	50	50	52.6	50.0	105	100	60-175	5	20	
Vinyl acetate	ug/L	ND	200	200	125	130	62	65	17-142	4	20	
Vinyl chloride	ug/L	ND	50	50	57.6	55.8	115	112	44-145	3	20	
Xylene (Total)	ug/L	ND	150	150	160	159	107	106	29-145	0	20	
4-Bromofluorobenzene (S)	%.						100	101	80-114			
Dibromofluoromethane (S)	%.						101	102	79-116			
Toluene-d8 (S)	%.						96	98	81-110			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

QC Batch: MSV/59177
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5089175001, 5089175004

METHOD BLANK: 1010751
Matrix: Solid
Associated Lab Samples: 5089175001, 5089175004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	11/11/13 12:49	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	11/11/13 12:49	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	11/11/13 12:49	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	11/11/13 12:49	
1,1-Dichloroethane	mg/kg	ND	0.0050	11/11/13 12:49	
1,1-Dichloroethene	mg/kg	ND	0.0050	11/11/13 12:49	
1,1-Dichloropropene	mg/kg	ND	0.0050	11/11/13 12:49	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	11/11/13 12:49	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	11/11/13 12:49	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	11/11/13 12:49	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	11/11/13 12:49	
1,2-Dichloroethane	mg/kg	ND	0.0050	11/11/13 12:49	
1,2-Dichloropropane	mg/kg	ND	0.0050	11/11/13 12:49	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	11/11/13 12:49	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	11/11/13 12:49	
1,3-Dichloropropane	mg/kg	ND	0.0050	11/11/13 12:49	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	11/11/13 12:49	
2,2-Dichloropropane	mg/kg	ND	0.0050	11/11/13 12:49	
2-Butanone (MEK)	mg/kg	ND	0.025	11/11/13 12:49	
2-Chlorotoluene	mg/kg	ND	0.0050	11/11/13 12:49	
2-Hexanone	mg/kg	ND	0.10	11/11/13 12:49	
4-Chlorotoluene	mg/kg	ND	0.0050	11/11/13 12:49	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	11/11/13 12:49	
Acetone	mg/kg	ND	0.10	11/11/13 12:49	
Acrolein	mg/kg	ND	0.10	11/11/13 12:49	
Benzene	mg/kg	ND	0.0050	11/11/13 12:49	
Bromobenzene	mg/kg	ND	0.0050	11/11/13 12:49	
Bromochloromethane	mg/kg	ND	0.0050	11/11/13 12:49	
Bromodichloromethane	mg/kg	ND	0.0050	11/11/13 12:49	
Bromoform	mg/kg	ND	0.0050	11/11/13 12:49	
Bromomethane	mg/kg	ND	0.0050	11/11/13 12:49	
Carbon disulfide	mg/kg	ND	0.010	11/11/13 12:49	
Carbon tetrachloride	mg/kg	ND	0.0050	11/11/13 12:49	
Chlorobenzene	mg/kg	ND	0.0050	11/11/13 12:49	
Chloroethane	mg/kg	ND	0.0050	11/11/13 12:49	
Chloroform	mg/kg	ND	0.0050	11/11/13 12:49	
Chloromethane	mg/kg	ND	0.0050	11/11/13 12:49	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	11/11/13 12:49	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	11/11/13 12:49	
Dibromochloromethane	mg/kg	ND	0.0050	11/11/13 12:49	
Dibromomethane	mg/kg	ND	0.0050	11/11/13 12:49	
Dichlorodifluoromethane	mg/kg	ND	0.0050	11/11/13 12:49	
Ethyl methacrylate	mg/kg	ND	0.10	11/11/13 12:49	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

METHOD BLANK: 1010751 Matrix: Solid

Associated Lab Samples: 5089175001, 5089175004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/kg	ND	0.0050	11/11/13 12:49	
Iodomethane	mg/kg	ND	0.10	11/11/13 12:49	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	11/11/13 12:49	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	11/11/13 12:49	
Methylene Chloride	mg/kg	ND	0.020	11/11/13 12:49	
n-Butylbenzene	mg/kg	ND	0.0050	11/11/13 12:49	
n-Hexane	mg/kg	ND	0.0050	11/11/13 12:49	N2
n-Propylbenzene	mg/kg	ND	0.0050	11/11/13 12:49	
p-Isopropyltoluene	mg/kg	ND	0.0050	11/11/13 12:49	
sec-Butylbenzene	mg/kg	ND	0.0050	11/11/13 12:49	
Styrene	mg/kg	ND	0.0050	11/11/13 12:49	
tert-Butylbenzene	mg/kg	ND	0.0050	11/11/13 12:49	
Tetrachloroethene	mg/kg	ND	0.0050	11/11/13 12:49	
Toluene	mg/kg	ND	0.0050	11/11/13 12:49	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	11/11/13 12:49	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	11/11/13 12:49	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	11/11/13 12:49	
Trichloroethene	mg/kg	ND	0.0050	11/11/13 12:49	
Trichlorofluoromethane	mg/kg	ND	0.0050	11/11/13 12:49	
Vinyl acetate	mg/kg	ND	0.10	11/11/13 12:49	
Vinyl chloride	mg/kg	ND	0.0050	11/11/13 12:49	
Xylene (Total)	mg/kg	ND	0.010	11/11/13 12:49	
4-Bromofluorobenzene (S)	%.	99	56-144	11/11/13 12:49	
Dibromofluoromethane (S)	%.	94	85-118	11/11/13 12:49	
Toluene-d8 (S)	%.	101	71-128	11/11/13 12:49	

LABORATORY CONTROL SAMPLE: 1010752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.05	0.050	99	62-123	
1,1,1-Trichloroethane	mg/kg	.05	0.050	99	70-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.060	120	65-124	
1,1,2-Trichloroethane	mg/kg	.05	0.055	111	74-129	
1,1-Dichloroethane	mg/kg	.05	0.040	80	73-130	
1,1-Dichloroethene	mg/kg	.05	0.040	80	66-126	
1,1-Dichloropropene	mg/kg	.05	0.053	105	78-125	
1,2,3-Trichlorobenzene	mg/kg	.05	0.049	99	66-131	
1,2,4-Trichlorobenzene	mg/kg	.05	0.053	107	68-129	
1,2,4-Trimethylbenzene	mg/kg	.05	0.058	115	67-126	
1,2-Dichlorobenzene	mg/kg	.05	0.052	104	73-122	
1,2-Dichloroethane	mg/kg	.05	0.047	95	73-127	
1,2-Dichloropropane	mg/kg	.05	0.056	112	75-118	
1,3,5-Trimethylbenzene	mg/kg	.05	0.057	114	65-127	
1,3-Dichlorobenzene	mg/kg	.05	0.051	101	73-121	
1,3-Dichloropropane	mg/kg	.05	0.057	115	72-121	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

LABORATORY CONTROL SAMPLE: 1010752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/kg	.05	0.051	102	75-119	
2,2-Dichloropropane	mg/kg	.05	0.045	90	63-122	
2-Butanone (MEK)	mg/kg	.25	0.31	123	59-139	
2-Chlorotoluene	mg/kg	.05	0.056	112	72-121	
2-Hexanone	mg/kg	.25	0.31	123	56-139	
4-Chlorotoluene	mg/kg	.05	0.054	108	75-123	
4-Methyl-2-pentanone (MIBK)	mg/kg	.25	0.31	123	63-136	
Acetone	mg/kg	.25	0.35	141	46-156	
Acrolein	mg/kg	1	1.5	148	47-200	
Benzene	mg/kg	.05	0.048	97	74-119	
Bromobenzene	mg/kg	.05	0.049	99	69-129	
Bromochloromethane	mg/kg	.05	0.054	109	67-129	
Bromodichloromethane	mg/kg	.05	0.047	93	68-121	
Bromoform	mg/kg	.05	0.047	95	49-124	
Bromomethane	mg/kg	.05	0.050	100	44-142	
Carbon disulfide	mg/kg	.1	0.083	83	61-129	
Carbon tetrachloride	mg/kg	.05	0.045	89	58-127	
Chlorobenzene	mg/kg	.05	0.049	97	77-122	
Chloroethane	mg/kg	.05	0.053	106	59-141	
Chloroform	mg/kg	.05	0.047	94	75-124	
Chloromethane	mg/kg	.05	0.045	90	46-133	
cis-1,2-Dichloroethene	mg/kg	.05	0.048	97	72-122	
cis-1,3-Dichloropropene	mg/kg	.05	0.051	102	68-115	
Dibromochloromethane	mg/kg	.05	0.048	97	60-121	
Dibromomethane	mg/kg	.05	0.052	105	72-124	
Dichlorodifluoromethane	mg/kg	.05	0.040	79	26-186	
Ethyl methacrylate	mg/kg	.2	0.22	111	63-130	
Ethylbenzene	mg/kg	.05	0.049	98	72-123	
Iodomethane	mg/kg	.1	0.10	102	38-149	
Isopropylbenzene (Cumene)	mg/kg	.05	0.055	110	65-123	
Methyl-tert-butyl ether	mg/kg	.1	0.087	87	68-120	
Methylene Chloride	mg/kg	.05	0.043	86	57-142	
n-Butylbenzene	mg/kg	.05	0.058	116	68-125	
n-Hexane	mg/kg	.05	0.043	87	57-117	N2
n-Propylbenzene	mg/kg	.05	0.059	117	68-122	
p-Isopropyltoluene	mg/kg	.05	0.057	115	66-133	
sec-Butylbenzene	mg/kg	.05	0.058	117	64-131	
Styrene	mg/kg	.05	0.054	109	70-126	
tert-Butylbenzene	mg/kg	.05	0.053	106	46-124	
Tetrachloroethene	mg/kg	.05	0.047	94	72-126	
Toluene	mg/kg	.05	0.049	99	71-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.043	86	69-123	
trans-1,3-Dichloropropene	mg/kg	.05	0.051	103	66-114	
trans-1,4-Dichloro-2-butene	mg/kg	.2	0.23	116	61-124	
Trichloroethene	mg/kg	.05	0.049	97	74-123	
Trichlorofluoromethane	mg/kg	.05	0.045	91	72-146	
Vinyl acetate	mg/kg	.2	0.20	98	57-131	
Vinyl chloride	mg/kg	.05	0.048	95	55-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

LABORATORY CONTROL SAMPLE: 1010752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	mg/kg	.15	0.15	103	66-124	
4-Bromofluorobenzene (S)	%.			97	56-144	
Dibromofluoromethane (S)	%.			95	85-118	
Toluene-d8 (S)	%.			101	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010753 1010754

Parameter	Units	5089153003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	mg/kg	ND	.046	.043	0.033	0.025	72	58	10-129	29	20	
1,1,1-Trichloroethane	mg/kg	ND	.046	.043	0.032	0.021	71	49	26-143	42	20	
1,1,2,2-Tetrachloroethane	mg/kg	ND	.046	.043	0.055	0.046	119	108	10-156	17	20	
1,1,2-Trichloroethane	mg/kg	ND	.046	.043	0.045	0.038	99	88	13-156	17	20	
1,1-Dichloroethane	mg/kg	ND	.046	.043	0.030	0.026	66	61	36-150	14	20	
1,1-Dichloroethene	mg/kg	ND	.046	.043	0.029	0.019	64	45	31-146	41	20	
1,1-Dichloropropene	mg/kg	ND	.046	.043	0.035	0.023	76	55	26-145	39	20	
1,2,3-Trichlorobenzene	mg/kg	ND	.046	.043	0.022	0.018	49	42	10-119	22	20	
1,2,4-Trichlorobenzene	mg/kg	ND	.046	.043	0.023	0.019	50	43	10-122	21	20	
1,2,4-Trimethylbenzene	mg/kg	ND	.046	.043	0.036	0.026	78	60	10-139	34	20	
1,2-Dichlorobenzene	mg/kg	ND	.046	.043	0.034	0.028	74	64	10-132	19	20	
1,2-Dichloroethane	mg/kg	ND	.046	.043	0.039	0.033	84	77	30-140	15	20	
1,2-Dichloropropane	mg/kg	ND	.046	.043	0.043	0.034	95	79	29-135	25	20	
1,3,5-Trimethylbenzene	mg/kg	ND	.046	.043	0.035	0.024	77	56	10-143	37	20	
1,3-Dichlorobenzene	mg/kg	ND	.046	.043	0.032	0.025	69	59	10-130	23	20	
1,3-Dichloropropane	mg/kg	ND	.046	.043	0.049	0.041	107	95	17-139	18	20	
1,4-Dichlorobenzene	mg/kg	ND	.046	.043	0.032	0.026	71	61	10-128	21	20	
2,2-Dichloropropane	mg/kg	ND	.046	.043	0.028	0.018	61	42	29-136	44	20	
2-Butanone (MEK)	mg/kg	ND	.22	.21	0.32	0.28	140	129	22-176	14	20	
2-Chlorotoluene	mg/kg	ND	.046	.043	0.037	0.028	81	66	10-146	27	20	
2-Hexanone	mg/kg	ND	.22	.21	0.31	0.26	134	121	12-165	17	20	
4-Chlorotoluene	mg/kg	ND	.046	.043	0.035	0.026	77	61	10-138	29	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	.22	.21	0.30	0.24	129	111	22-155	21	20	
Acetone	mg/kg	ND	.22	.21	0.39	0.40	171	184	11-200	1	20	
Acrolein	mg/kg	ND	.92	.86	1.3	1.1	146	128	10-200	19	20	
Benzene	mg/kg	ND	.046	.043	0.036	0.027	79	64	27-140	28	20	
Bromobenzene	mg/kg	ND	.046	.043	0.033	0.027	73	62	10-133	22	20	
Bromochloromethane	mg/kg	ND	.046	.043	0.046	0.040	101	94	28-142	13	20	
Bromodichloromethane	mg/kg	ND	.046	.043	0.032	0.025	71	58	13-139	25	20	
Bromoform	mg/kg	ND	.046	.043	0.036	0.028	79	66	10-122	24	20	
Bromomethane	mg/kg	ND	.046	.043	0.036	0.025	78	59	10-154	35	20	
Carbon disulfide	mg/kg	ND	.092	.086	0.059	0.040	64	46	20-142	39	20	
Carbon tetrachloride	mg/kg	ND	.046	.043	0.027	0.018	59	41	19-135	41	20	
Chlorobenzene	mg/kg	ND	.046	.043	0.035	0.027	76	63	10-136	25	20	
Chloroethane	mg/kg	ND	.046	.043	0.039	0.028	86	65	24-161	33	20	
Chloroform	mg/kg	ND	.046	.043	0.035	0.027	77	64	36-138	26	20	
Chloromethane	mg/kg	ND	.046	.043	0.034	0.023	74	54	28-143	38	20	
cis-1,2-Dichloroethene	mg/kg	ND	.046	.043	0.038	0.028	83	65	29-136	30	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010753 1010754

Parameter	Units	5089153003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	mg/kg	ND	.046	.043	0.037	0.025	80	57	10-130	39	20	
Dibromochloromethane	mg/kg	ND	.046	.043	0.035	0.027	77	63	10-124	26	20	
Dibromomethane	mg/kg	ND	.046	.043	0.042	0.035	93	83	24-136	18	20	
Dichlorodifluoromethane	mg/kg	ND	.046	.043	0.028	0.018	61	43	15-187	40	20	
Ethyl methacrylate	mg/kg	ND	.18	.17	0.19	0.14	103	83	10-147	28	20	
Ethylbenzene	mg/kg	ND	.046	.043	0.033	0.024	73	55	10-144	33	20	
Iodomethane	mg/kg	ND	.092	.086	0.074J	0.058J	81	68	10-155		20	
Isopropylbenzene (Cumene)	mg/kg	ND	.046	.043	0.033	0.022	73	51	10-134	41	20	
Methyl-tert-butyl ether	mg/kg	ND	.092	.086	0.077	0.077	84	89	30-147	0	20	
Methylene Chloride	mg/kg	ND	.046	.043	0.036	0.032	79	74	23-150	14	20	
n-Butylbenzene	mg/kg	ND	.046	.043	0.028	0.017	62	41	10-141	48	20	
n-Hexane	mg/kg	ND	.046	.043	0.031	0.025	67	58	10-140	21	20	N2
n-Propylbenzene	mg/kg	ND	.046	.043	0.037	0.024	81	56	10-143	42	20	
p-Isopropyltoluene	mg/kg	ND	.046	.043	0.032	0.021	71	49	10-146	42	20	
sec-Butylbenzene	mg/kg	ND	.046	.043	0.034	0.022	74	51	10-150	44	20	
Styrene	mg/kg	ND	.046	.043	0.036	0.027	79	62	10-138	29	20	
tert-Butylbenzene	mg/kg	ND	.046	.043	0.034	0.022	73	51	10-135	42	20	
Tetrachloroethene	mg/kg	ND	.046	.043	0.032	0.022	70	51	10-153	38	20	
Toluene	mg/kg	ND	.046	.043	0.037	0.027	80	63	10-140	30	20	
trans-1,2-Dichloroethene	mg/kg	ND	.046	.043	0.031	0.028	68	64	28-139	12	20	
trans-1,3-Dichloropropene	mg/kg	ND	.046	.043	0.036	0.025	78	58	10-126	36	20	
trans-1,4-Dichloro-2-butene	mg/kg	ND	.18	.17	0.18	0.14	98	82	10-132	24	20	
Trichloroethene	mg/kg	ND	.046	.043	0.033	0.022	73	52	17-148	39	20	
Trichlorofluoromethane	mg/kg	ND	.046	.043	0.031	0.020	69	47	31-177	43	20	
Vinyl acetate	mg/kg	ND	.18	.17	0.074J	0.055J	41	32	10-131		20	
Vinyl chloride	mg/kg	ND	.046	.043	0.034	0.022	75	52	30-145	43	20	
Xylene (Total)	mg/kg	ND	.13	.13	0.10	0.075	75	58	10-143	31	20	
4-Bromofluorobenzene (S)	%.						92	94	56-144		20	
Dibromofluoromethane (S)	%.						93	91	85-118		20	2d
Toluene-d8 (S)	%.						104	102	71-128		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

QC Batch: MSV/59305 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5089175002

METHOD BLANK: 1012323 Matrix: Solid
Associated Lab Samples: 5089175002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	11/13/13 16:10	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	11/13/13 16:10	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	11/13/13 16:10	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	11/13/13 16:10	
1,1-Dichloroethane	mg/kg	ND	0.0050	11/13/13 16:10	
1,1-Dichloroethene	mg/kg	ND	0.0050	11/13/13 16:10	
1,1-Dichloropropene	mg/kg	ND	0.0050	11/13/13 16:10	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	11/13/13 16:10	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	11/13/13 16:10	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	11/13/13 16:10	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	11/13/13 16:10	
1,2-Dichloroethane	mg/kg	ND	0.0050	11/13/13 16:10	
1,2-Dichloropropane	mg/kg	ND	0.0050	11/13/13 16:10	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	11/13/13 16:10	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	11/13/13 16:10	
1,3-Dichloropropane	mg/kg	ND	0.0050	11/13/13 16:10	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	11/13/13 16:10	
2,2-Dichloropropane	mg/kg	ND	0.0050	11/13/13 16:10	
2-Butanone (MEK)	mg/kg	ND	0.025	11/13/13 16:10	
2-Chlorotoluene	mg/kg	ND	0.0050	11/13/13 16:10	
2-Hexanone	mg/kg	ND	0.10	11/13/13 16:10	
4-Chlorotoluene	mg/kg	ND	0.0050	11/13/13 16:10	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	11/13/13 16:10	
Acetone	mg/kg	ND	0.10	11/13/13 16:10	
Acrolein	mg/kg	ND	0.10	11/13/13 16:10	
Benzene	mg/kg	ND	0.0050	11/13/13 16:10	
Bromobenzene	mg/kg	ND	0.0050	11/13/13 16:10	
Bromochloromethane	mg/kg	ND	0.0050	11/13/13 16:10	
Bromodichloromethane	mg/kg	ND	0.0050	11/13/13 16:10	
Bromoform	mg/kg	ND	0.0050	11/13/13 16:10	
Bromomethane	mg/kg	ND	0.0050	11/13/13 16:10	
Carbon disulfide	mg/kg	ND	0.010	11/13/13 16:10	
Carbon tetrachloride	mg/kg	ND	0.0050	11/13/13 16:10	
Chlorobenzene	mg/kg	ND	0.0050	11/13/13 16:10	
Chloroethane	mg/kg	ND	0.0050	11/13/13 16:10	
Chloroform	mg/kg	ND	0.0050	11/13/13 16:10	
Chloromethane	mg/kg	ND	0.0050	11/13/13 16:10	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	11/13/13 16:10	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	11/13/13 16:10	
Dibromochloromethane	mg/kg	ND	0.0050	11/13/13 16:10	
Dibromomethane	mg/kg	ND	0.0050	11/13/13 16:10	
Dichlorodifluoromethane	mg/kg	ND	0.0050	11/13/13 16:10	
Ethyl methacrylate	mg/kg	ND	0.10	11/13/13 16:10	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

METHOD BLANK: 1012323 Matrix: Solid

Associated Lab Samples: 5089175002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/kg	ND	0.0050	11/13/13 16:10	
Iodomethane	mg/kg	ND	0.10	11/13/13 16:10	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	11/13/13 16:10	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	11/13/13 16:10	
Methylene Chloride	mg/kg	ND	0.020	11/13/13 16:10	
n-Butylbenzene	mg/kg	ND	0.0050	11/13/13 16:10	
n-Hexane	mg/kg	ND	0.0050	11/13/13 16:10	N2
n-Propylbenzene	mg/kg	ND	0.0050	11/13/13 16:10	
p-Isopropyltoluene	mg/kg	ND	0.0050	11/13/13 16:10	
sec-Butylbenzene	mg/kg	ND	0.0050	11/13/13 16:10	
Styrene	mg/kg	ND	0.0050	11/13/13 16:10	
tert-Butylbenzene	mg/kg	ND	0.0050	11/13/13 16:10	
Tetrachloroethene	mg/kg	ND	0.0050	11/13/13 16:10	
Toluene	mg/kg	ND	0.0050	11/13/13 16:10	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	11/13/13 16:10	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	11/13/13 16:10	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	11/13/13 16:10	
Trichloroethene	mg/kg	ND	0.0050	11/13/13 16:10	
Trichlorofluoromethane	mg/kg	ND	0.0050	11/13/13 16:10	
Vinyl acetate	mg/kg	ND	0.10	11/13/13 16:10	
Vinyl chloride	mg/kg	ND	0.0050	11/13/13 16:10	
Xylene (Total)	mg/kg	ND	0.010	11/13/13 16:10	
4-Bromofluorobenzene (S)	%.	104	56-144	11/13/13 16:10	
Dibromofluoromethane (S)	%.	98	85-118	11/13/13 16:10	
Toluene-d8 (S)	%.	96	71-128	11/13/13 16:10	

LABORATORY CONTROL SAMPLE: 1012324

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.05	0.046	92	62-123	
1,1,1-Trichloroethane	mg/kg	.05	0.047	94	70-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.044	87	65-124	
1,1,2-Trichloroethane	mg/kg	.05	0.054	107	74-129	
1,1-Dichloroethane	mg/kg	.05	0.044	88	73-130	
1,1-Dichloroethene	mg/kg	.05	0.048	96	66-126	
1,1-Dichloropropene	mg/kg	.05	0.050	100	78-125	
1,2,3-Trichlorobenzene	mg/kg	.05	0.043	86	66-131	
1,2,4-Trichlorobenzene	mg/kg	.05	0.041	82	68-129	
1,2,4-Trimethylbenzene	mg/kg	.05	0.044	87	67-126	
1,2-Dichlorobenzene	mg/kg	.05	0.043	85	73-122	
1,2-Dichloroethane	mg/kg	.05	0.052	103	73-127	
1,2-Dichloropropane	mg/kg	.05	0.052	104	75-118	
1,3,5-Trimethylbenzene	mg/kg	.05	0.044	88	65-127	
1,3-Dichlorobenzene	mg/kg	.05	0.041	81	73-121	
1,3-Dichloropropane	mg/kg	.05	0.057	113	72-121	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

LABORATORY CONTROL SAMPLE: 1012324

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/kg	.05	0.042	84	75-119	
2,2-Dichloropropane	mg/kg	.05	0.045	90	63-122	
2-Butanone (MEK)	mg/kg	.25	0.30	120	59-139	
2-Chlorotoluene	mg/kg	.05	0.044	87	72-121	
2-Hexanone	mg/kg	.25	0.30	121	56-139	
4-Chlorotoluene	mg/kg	.05	0.043	87	75-123	
4-Methyl-2-pentanone (MIBK)	mg/kg	.25	0.32	129	63-136	
Acetone	mg/kg	.25	0.37	146	46-156	
Acrolein	mg/kg	1	1.7	172	47-200	
Benzene	mg/kg	.05	0.045	89	74-119	
Bromobenzene	mg/kg	.05	0.045	91	69-129	
Bromochloromethane	mg/kg	.05	0.047	95	67-129	
Bromodichloromethane	mg/kg	.05	0.049	98	68-121	
Bromoform	mg/kg	.05	0.039	78	49-124	
Bromomethane	mg/kg	.05	0.062	124	44-142	
Carbon disulfide	mg/kg	.1	0.10	103	61-129	
Carbon tetrachloride	mg/kg	.05	0.040	80	58-127	
Chlorobenzene	mg/kg	.05	0.046	92	77-122	
Chloroethane	mg/kg	.05	0.064	128	59-141	
Chloroform	mg/kg	.05	0.046	91	75-124	
Chloromethane	mg/kg	.05	0.044	87	46-133	
cis-1,2-Dichloroethene	mg/kg	.05	0.044	89	72-122	
cis-1,3-Dichloropropene	mg/kg	.05	0.047	93	68-115	
Dibromochloromethane	mg/kg	.05	0.046	93	60-121	
Dibromomethane	mg/kg	.05	0.048	96	72-124	
Dichlorodifluoromethane	mg/kg	.05	0.045	89	26-186	
Ethyl methacrylate	mg/kg	.2	0.23	114	63-130	
Ethylbenzene	mg/kg	.05	0.046	92	72-123	
Iodomethane	mg/kg	.1	0.11	114	38-149	
Isopropylbenzene (Cumene)	mg/kg	.05	0.050	100	65-123	
Methyl-tert-butyl ether	mg/kg	.1	0.11	106	68-120	
Methylene Chloride	mg/kg	.05	0.068	137	57-142	
n-Butylbenzene	mg/kg	.05	0.044	88	68-125	
n-Hexane	mg/kg	.05	0.047	93	57-117	N2
n-Propylbenzene	mg/kg	.05	0.044	88	68-122	
p-Isopropyltoluene	mg/kg	.05	0.044	89	66-133	
sec-Butylbenzene	mg/kg	.05	0.044	88	64-131	
Styrene	mg/kg	.05	0.050	100	70-126	
tert-Butylbenzene	mg/kg	.05	0.035	70	46-124	
Tetrachloroethene	mg/kg	.05	0.049	98	72-126	
Toluene	mg/kg	.05	0.048	95	71-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.043	87	69-123	
trans-1,3-Dichloropropene	mg/kg	.05	0.051	101	66-114	
trans-1,4-Dichloro-2-butene	mg/kg	.2	0.29	144	61-124	L3
Trichloroethene	mg/kg	.05	0.046	93	74-123	
Trichlorofluoromethane	mg/kg	.05	0.063	125	72-146	
Vinyl acetate	mg/kg	.2	0.21	106	57-131	
Vinyl chloride	mg/kg	.05	0.054	108	55-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

LABORATORY CONTROL SAMPLE: 1012324

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	mg/kg	.15	0.14	95	66-124	
4-Bromofluorobenzene (S)	%.			106	56-144	
Dibromofluoromethane (S)	%.			97	85-118	
Toluene-d8 (S)	%.			108	71-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

QC Batch: OEXT/34273 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 3546 Analysis Description: EPA 8015 TPH Ohio
Associated Lab Samples: 5089175001, 5089175002, 5089175003, 5089175004

METHOD BLANK: 1006091 Matrix: Solid
Associated Lab Samples: 5089175001, 5089175002, 5089175003, 5089175004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	ND	20.0	11/04/13 09:11	
TPH (C10-C20)	mg/kg	ND	10.0	11/04/13 09:11	
TPH (C20-C34)	mg/kg	ND	10.0	11/04/13 09:11	
n-Pentacosane (S)	%.	84	30-153	11/04/13 09:11	

LABORATORY CONTROL SAMPLE: 1006092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	83.3	58.3	70	43-88	
n-Pentacosane (S)	%.			82	30-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006093 1006094

Parameter	Units	5089181003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/kg	7.8J	99.9	99.3	66.5	64.5	59	57	10-136	3	20	
n-Pentacosane (S)	%.						84	84	30-153		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

QC Batch: OEXT/34271 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 5089175001, 5089175002, 5089175003, 5089175004

METHOD BLANK: 1006083 Matrix: Solid
Associated Lab Samples: 5089175001, 5089175002, 5089175003, 5089175004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	100	11/05/13 13:28	
PCB-1221 (Aroclor 1221)	ug/kg	ND	100	11/05/13 13:28	
PCB-1232 (Aroclor 1232)	ug/kg	ND	100	11/05/13 13:28	
PCB-1242 (Aroclor 1242)	ug/kg	ND	100	11/05/13 13:28	
PCB-1248 (Aroclor 1248)	ug/kg	ND	100	11/05/13 13:28	
PCB-1254 (Aroclor 1254)	ug/kg	ND	100	11/05/13 13:28	
PCB-1260 (Aroclor 1260)	ug/kg	ND	100	11/05/13 13:28	
Tetrachloro-m-xylene (S)	%.	81	30-106	11/05/13 13:28	

LABORATORY CONTROL SAMPLE: 1006084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	145	87	42-100	
PCB-1260 (Aroclor 1260)	ug/kg	167	131	79	40-106	
Tetrachloro-m-xylene (S)	%.			78	30-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006085 1006086

Parameter	Units	5089181003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	197	200	112J	122	57	61	10-145	9	20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	197	200	88.6J	96.6J	45	48	16-132	9	20	
Tetrachloro-m-xylene (S)	%.						60	64	30-106		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

QC Batch: OEXT/34272 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
Associated Lab Samples: 5089175001, 5089175002, 5089175003, 5089175004

METHOD BLANK: 1006087 Matrix: Solid
Associated Lab Samples: 5089175001, 5089175002, 5089175003, 5089175004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/kg	ND	330	11/05/13 14:59	
2,4,6-Trichlorophenol	ug/kg	ND	330	11/05/13 14:59	
2,4-Dichlorophenol	ug/kg	ND	330	11/05/13 14:59	
2,4-Dimethylphenol	ug/kg	ND	330	11/05/13 14:59	
2,4-Dinitrophenol	ug/kg	ND	1600	11/05/13 14:59	
2,4-Dinitrotoluene	ug/kg	ND	330	11/05/13 14:59	
2,6-Dinitrotoluene	ug/kg	ND	330	11/05/13 14:59	
2-Chloronaphthalene	ug/kg	ND	330	11/05/13 14:59	
2-Chlorophenol	ug/kg	ND	330	11/05/13 14:59	
2-Methylnaphthalene	ug/kg	ND	330	11/05/13 14:59	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	11/05/13 14:59	
2-Nitroaniline	ug/kg	ND	1600	11/05/13 14:59	
2-Nitrophenol	ug/kg	ND	330	11/05/13 14:59	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	660	11/05/13 14:59	
3-Nitroaniline	ug/kg	ND	1600	11/05/13 14:59	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1600	11/05/13 14:59	
4-Bromophenylphenyl ether	ug/kg	ND	330	11/05/13 14:59	
4-Chloro-3-methylphenol	ug/kg	ND	660	11/05/13 14:59	
4-Chloroaniline	ug/kg	ND	660	11/05/13 14:59	
4-Chlorophenylphenyl ether	ug/kg	ND	330	11/05/13 14:59	
4-Nitroaniline	ug/kg	ND	1600	11/05/13 14:59	
4-Nitrophenol	ug/kg	ND	1600	11/05/13 14:59	
Acenaphthene	ug/kg	ND	330	11/05/13 14:59	
Acenaphthylene	ug/kg	ND	330	11/05/13 14:59	
Anthracene	ug/kg	ND	330	11/05/13 14:59	
Benzo(a)anthracene	ug/kg	ND	330	11/05/13 14:59	
Benzo(a)pyrene	ug/kg	ND	170	11/05/13 14:59	
Benzo(b)fluoranthene	ug/kg	ND	330	11/05/13 14:59	
Benzo(g,h,i)perylene	ug/kg	ND	330	11/05/13 14:59	
Benzo(k)fluoranthene	ug/kg	ND	330	11/05/13 14:59	
Benzyl alcohol	ug/kg	ND	660	11/05/13 14:59	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	11/05/13 14:59	
bis(2-Chloroethyl) ether	ug/kg	ND	330	11/05/13 14:59	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	11/05/13 14:59	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	11/05/13 14:59	
Butylbenzylphthalate	ug/kg	ND	330	11/05/13 14:59	
Chrysene	ug/kg	ND	330	11/05/13 14:59	
Di-n-butylphthalate	ug/kg	ND	330	11/05/13 14:59	
Di-n-octylphthalate	ug/kg	ND	330	11/05/13 14:59	
Dibenz(a,h)anthracene	ug/kg	ND	170	11/05/13 14:59	
Dibenzofuran	ug/kg	ND	330	11/05/13 14:59	
Diethylphthalate	ug/kg	ND	330	11/05/13 14:59	
Dimethylphthalate	ug/kg	ND	330	11/05/13 14:59	

REPORT OF LABORATORY ANALYSIS

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Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

METHOD BLANK: 1006087 Matrix: Solid

Associated Lab Samples: 5089175001, 5089175002, 5089175003, 5089175004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoranthene	ug/kg	ND	330	11/05/13 14:59	
Fluorene	ug/kg	ND	330	11/05/13 14:59	
Hexachlorocyclopentadiene	ug/kg	ND	330	11/05/13 14:59	
Hexachloroethane	ug/kg	ND	330	11/05/13 14:59	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	11/05/13 14:59	
Isophorone	ug/kg	ND	330	11/05/13 14:59	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	11/05/13 14:59	
N-Nitrosodiphenylamine	ug/kg	ND	330	11/05/13 14:59	
Naphthalene	ug/kg	ND	330	11/05/13 14:59	
Nitrobenzene	ug/kg	ND	330	11/05/13 14:59	
Phenanthrene	ug/kg	ND	330	11/05/13 14:59	
Phenol	ug/kg	ND	330	11/05/13 14:59	
Pyrene	ug/kg	ND	330	11/05/13 14:59	
2,4,6-Tribromophenol (S)	%.	87	16-122	11/05/13 14:59	
2-Fluorobiphenyl (S)	%.	70	31-94	11/05/13 14:59	
2-Fluorophenol (S)	%.	80	24-104	11/05/13 14:59	
Nitrobenzene-d5 (S)	%.	74	28-101	11/05/13 14:59	
p-Terphenyl-d14 (S)	%.	103	26-110	11/05/13 14:59	
Phenol-d5 (S)	%.	71	28-101	11/05/13 14:59	

LABORATORY CONTROL SAMPLE: 1006088

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	3330	2400	72	39-103	
2-Chlorophenol	ug/kg	3330	2090	63	38-96	
2-Methylnaphthalene	ug/kg	3330	2200	66	36-94	
4-Chloro-3-methylphenol	ug/kg	3330	2190	66	38-104	
4-Nitrophenol	ug/kg	3330	2310	69	34-104	
Acenaphthene	ug/kg	3330	2370	71	43-99	
Acenaphthylene	ug/kg	3330	2420	73	42-101	
Anthracene	ug/kg	3330	2480	74	46-107	
Benzo(a)anthracene	ug/kg	3330	2600	78	45-108	
Benzo(a)pyrene	ug/kg	3330	2680	80	47-113	
Benzo(b)fluoranthene	ug/kg	3330	2630	79	41-110	
Benzo(g,h,i)perylene	ug/kg	3330	2710	81	42-112	
Benzo(k)fluoranthene	ug/kg	3330	2180	66	44-107	
Chrysene	ug/kg	3330	2490	75	43-103	
Dibenz(a,h)anthracene	ug/kg	3330	2900	87	43-110	
Fluoranthene	ug/kg	3330	2640	79	45-105	
Fluorene	ug/kg	3330	2490	75	42-103	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	2180	65	43-111	
N-Nitroso-di-n-propylamine	ug/kg	3330	2040	61	37-96	
Naphthalene	ug/kg	3330	2150	64	44-100	
Phenanthrene	ug/kg	3330	2440	73	44-104	
Phenol	ug/kg	3330	2060	62	37-101	

REPORT OF LABORATORY ANALYSIS

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(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

LABORATORY CONTROL SAMPLE: 1006088

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	3330	2680	81	44-105	
2,4,6-Tribromophenol (S)	%.			82	16-122	
2-Fluorobiphenyl (S)	%.			71	31-94	
2-Fluorophenol (S)	%.			77	24-104	
Nitrobenzene-d5 (S)	%.			72	28-101	
p-Terphenyl-d14 (S)	%.			97	26-110	
Phenol-d5 (S)	%.			71	28-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006089 1006090

Parameter	Units	5089181003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/kg	ND	3980	3980	2880	3030	72	76	15-102	5	20	
2-Chlorophenol	ug/kg	ND	3980	3980	2400	2550	60	64	22-96	6	20	
2-Methylnaphthalene	ug/kg	ND	3980	3980	2530	2600	64	65	14-107	3	20	
4-Chloro-3-methylphenol	ug/kg	ND	3980	3980	2550	2770	64	69	21-105	8	20	
4-Nitrophenol	ug/kg	ND	3980	3980	2760	3010	69	76	12-107	9	20	
Acenaphthene	ug/kg	ND	3980	3980	2760	2800	69	70	19-110	1	20	
Acenaphthylene	ug/kg	ND	3980	3980	2890	2950	73	74	21-106	2	20	
Anthracene	ug/kg	ND	3980	3980	2830	2960	71	74	22-112	5	20	
Benzo(a)anthracene	ug/kg	ND	3980	3980	2910	2940	72	72	13-116	1	20	
Benzo(a)pyrene	ug/kg	ND	3980	3980	2750	2790	68	69	11-119	2	20	
Benzo(b)fluoranthene	ug/kg	ND	3980	3980	2850	2870	70	70	10-126	1	20	
Benzo(g,h,i)perylene	ug/kg	ND	3980	3980	2720	2740	68	69	10-114	1	20	
Benzo(k)fluoranthene	ug/kg	ND	3980	3980	2210	2360	55	59	10-117	7	20	
Chrysene	ug/kg	ND	3980	3980	2830	2900	69	71	14-107	2	20	
Dibenz(a,h)anthracene	ug/kg	ND	3980	3980	2690	2990	67	75	10-119	11	20	
Fluoranthene	ug/kg	ND	3980	3980	3030	3080	73	74	17-110	1	20	
Fluorene	ug/kg	ND	3980	3980	2850	2990	72	75	17-115	5	20	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3980	3980	2240	2250	56	56	11-111	0	20	
N-Nitroso-di-n-propylamine	ug/kg	ND	3980	3980	2360	2510	59	63	18-103	6	20	
Naphthalene	ug/kg	ND	3980	3980	2520	2640	63	66	16-102	5	20	
Phenanthrene	ug/kg	ND	3980	3980	2870	3000	70	73	10-128	5	20	
Phenol	ug/kg	ND	3980	3980	2410	2560	60	64	22-97	6	20	
Pyrene	ug/kg	ND	3980	3980	2940	3080	71	75	10-123	5	20	
2,4,6-Tribromophenol (S)	%.						84	89	16-122			
2-Fluorobiphenyl (S)	%.						69	70	31-94			
2-Fluorophenol (S)	%.						74	80	24-104			
Nitrobenzene-d5 (S)	%.						71	73	26-98			
p-Terphenyl-d14 (S)	%.						85	90	26-110			
Phenol-d5 (S)	%.						71	74	28-101			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

QC Batch: PMST/8899 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5089175001, 5089175002, 5089175003, 5089175004

SAMPLE DUPLICATE: 1006249

Parameter	Units	5089104003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.8	6.2	7	5	R1

SAMPLE DUPLICATE: 1006250

Parameter	Units	5089181003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.6	19.3	15	5	R1

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

QC Batch: WET/13649
QC Batch Method: EPA 9045
Analysis Method: EPA 9045
Analysis Description: 9045 pH
Associated Lab Samples: 5089175002

SAMPLE DUPLICATE: 1006292

Parameter	Units	5089175002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.7	1	20	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Due to the viscosity of the extract, it was run at 10x. KES 11-11-13
2d	RPD value is outside control limits for multiple compounds. DAE 11/12/13
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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METHOD CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Parameter	Matrix	Analytical Method	Preparation Method
6010 MET ICP	Solid	SW-846 6010B	SW-846 3050B
7471 Mercury	Solid	SW-846 7471A	SW-846 7471A
8015 GRO 5035	Solid	SW-846 8015B	SW-846 5035A
8015 Gasoline Range Organics	Solid	SW-846 8015A	SW-846 5030A
8015 TPH Ohio Microwave	Solid	SW-846 8015B	SW-846 3546
8082 GCS PCB	Solid	SW-846 8082	SW-846 3546
8260 MSV	Water	SW-846 8260B	SW-846 5030B
8260 MSV 5035A VOA	Solid	SW-846 8260B	SW-846 5035A
8270 MSSV SHORT LIST MICROWAVE	Solid	SW-846 8270C	SW-846 3546

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089175

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089175001	**FAW-SB06(0-2)-103013**	EPA 3546	OEXT/34273	EPA 8015 Mod Ext	GCSV/11681
5089175002	**FAW-SB06(2-4)-103013**	EPA 3546	OEXT/34273	EPA 8015 Mod Ext	GCSV/11681
5089175003	**FAW-SB06(8-10)-103013**	EPA 3546	OEXT/34273	EPA 8015 Mod Ext	GCSV/11681
5089175004	**FAW-MW02(6-8)-103013**	EPA 3546	OEXT/34273	EPA 8015 Mod Ext	GCSV/11681
5089175001	**FAW-SB06(0-2)-103013**	EPA 3546	OEXT/34271	EPA 8082	GCSV/11680
5089175002	**FAW-SB06(2-4)-103013**	EPA 3546	OEXT/34271	EPA 8082	GCSV/11680
5089175003	**FAW-SB06(8-10)-103013**	EPA 3546	OEXT/34271	EPA 8082	GCSV/11680
5089175004	**FAW-MW02(6-8)-103013**	EPA 3546	OEXT/34271	EPA 8082	GCSV/11680
5089175001	**FAW-SB06(0-2)-103013**	EPA 8015 Mod Pur	GCV/17349		
5089175002	**FAW-SB06(2-4)-103013**	EPA 8015 Mod Pur	GCV/17349		
5089175004	**FAW-MW02(6-8)-103013**	EPA 8015 Mod Pur	GCV/17349		
5089175001	**FAW-SB06(0-2)-103013**	EPA 3050	MPRP/12367	EPA 6010	ICP/13689
5089175002	**FAW-SB06(2-4)-103013**	EPA 3050	MPRP/12367	EPA 6010	ICP/13689
5089175003	**FAW-SB06(8-10)-103013**	EPA 3050	MPRP/12367	EPA 6010	ICP/13689
5089175004	**FAW-MW02(6-8)-103013**	EPA 3050	MPRP/12367	EPA 6010	ICP/13689
5089175001	**FAW-SB06(0-2)-103013**	EPA 7471	MERP/5007	EPA 7471	MERC/5344
5089175002	**FAW-SB06(2-4)-103013**	EPA 7471	MERP/5007	EPA 7471	MERC/5344
5089175003	**FAW-SB06(8-10)-103013**	EPA 7471	MERP/5007	EPA 7471	MERC/5344
5089175004	**FAW-MW02(6-8)-103013**	EPA 7471	MERP/5007	EPA 7471	MERC/5344
5089175001	**FAW-SB06(0-2)-103013**	EPA 3546	OEXT/34272	EPA 8270	MSSV/13842
5089175002	**FAW-SB06(2-4)-103013**	EPA 3546	OEXT/34272	EPA 8270	MSSV/13842
5089175003	**FAW-SB06(8-10)-103013**	EPA 3546	OEXT/34272	EPA 8270	MSSV/13842
5089175004	**FAW-MW02(6-8)-103013**	EPA 3546	OEXT/34272	EPA 8270	MSSV/13842
5089175005	**FAW-TB05-103013**	EPA 8260	MSV/59136		
5089175001	**FAW-SB06(0-2)-103013**	EPA 8260	MSV/59177		
5089175002	**FAW-SB06(2-4)-103013**	EPA 8260	MSV/59305		
5089175004	**FAW-MW02(6-8)-103013**	EPA 8260	MSV/59177		
5089175001	**FAW-SB06(0-2)-103013**	ASTM D2974-87	PMST/8899		
5089175002	**FAW-SB06(2-4)-103013**	ASTM D2974-87	PMST/8899		
5089175003	**FAW-SB06(8-10)-103013**	ASTM D2974-87	PMST/8899		
5089175004	**FAW-MW02(6-8)-103013**	ASTM D2974-87	PMST/8899		
5089175002	**FAW-SB06(2-4)-103013**	EPA 9045	WET/13649		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1718760

Section A Required Client Information:

Company: Weston Solutions
Address: 711 E. Monument Ave
Dayton OH 45402
Email To: laura.funk@westonsolutions.com
Phone: 937-531-4402 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: laura.funk@westonsolutions.com
Copy To:
Purchase Order No.:
Project Name: FAW
Project Number: 20405.016.008.2234.00

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER Ohio VAP

Site Location STATE: OH

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	FOC	SVOC	PCB	TPH DRO	Metals	VOC	TPH GRO	PH	Flashpoint	TCLP VOC/SVOC	TCLP Metals	TCLP Pest/Herb	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FAW-SB06(0-2)-103013	SL	G	10-30	1312				9										X	X	X	X	X	X						5089175
2	FAW-SB06(2-4)-103013	SL	G	10-30	1315				9										X	X	X	X	X	X						-001
3	FAW-SB06(8-10)-103013	SL	G	10-30	1323				2										X	X	X									-002
4	FAW-TB05-103013			10-30					1													X								-003
5	FAW-EQW03-103013	SL	G	10-30	1550				4																		X	X	X	X	-005
6	FAW-MW02(6-8)-103013	SL	G	10-30	1542				8										X	X	X	X	X	X							-004
7																															
8																															
9																															
10																															
11																															
12																															

PH

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Metals: Al, Sb, As, Ba, Be, Ca, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Tl, V, Zn.	Dustin Bates	10-30	1610	[signature]	10/30/13	4:10	0.4	Y	Y	Y
				Stewart Lawson	10-31-13	10:58				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dustin Bates

SIGNATURE of SAMPLER: Dustin Bates

DATE Signed (MM/DD/YY): 10/30/13

WT / FedEx

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Weston Solutions Project # 5089175

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Date/Time 5035A kits placed in freezer: _____

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☑ Other Ziploc

Thermometer Used 1 2 3 4 6 A B C D E **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 0.4 **Ice Visible in Sample Containers:** ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: A.S. 10-31-13

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes ☐No ☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	10.
Trip Blank Present:	☑Yes ☐No ☐N/A	11.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☐Yes ☐No ☐N/A	12.
Sufficient Volume:	☐Yes ☐No ☐N/A	13.
Correct Containers Used:	☐Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Kenneth Hunt **Date:** 10/31/13

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: Weston Solutions

COC PAGE 1 of 1
COC ID# 1718760

Project # 50891.75

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1			3		6											
2			3		6											
3			2													
4	1															TRIP BLANK
5																
6			2		6											
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 12, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161268
Project ID: 5089175/WESTON SOLUTION

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on November 01, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161268

Client: PASI Indianapolis

Project ID: 5089175/WESTON SOLUTION

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/12/2013 14:21:44

Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161268

Client: PASI Indianapolis

Project ID: 5089175/WESTON SOLUTION

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-SB06(0-2)-103013	201139391	Soil	30-Oct-13 13:12	01-Nov-13 09:00

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161268

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

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St. Rose, LA 70087
(504) 469-0333

QC Cross Reference

Project: 20161268

Analytical Method	Batch	Sample used for QC
Dry Weight Moisture	221225	Batch sample from another client
ASTM D2974	221077	Client sample FAW-MW02(0-2)-102913 from project 20161179
ASTM D2974	221077	Client sample FAW-SB08(2-4)-110113 from project 20161344

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB06(0-2)-103013
Project: 20161268
Project ID: 5089175/WESTON SOLUTION
Site: None
Lab ID: 201139391
Matrix: Soil
%Moisture: 14.7 Not Corrected
Description: None

Collected: 30-Oct-13
Received: 01-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	221077	1	8.29		% (w/w)	0.100	08-Nov-13	08-Nov-13 12:41 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

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Project: 20161268

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	221077	<0.100	% (w/w)										61 *			20	
Fractional Organic C	221077	<0.100	% (w/w)										31 *			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
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(504) 469-0333

Project: 20161268

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

Chain of Custody

20161268 PASI-INDI

Pace Analytical®
www.pacelabs.com

Workorder: 5089175 **Workorder Name:** FAW 20405.016.008.2234.00 **Owner Received Date:** 10/31/2013 **Results Requested By:** 11/13/2013

Report To	Subcontract To
Kenneth Hunt Pace Analytical Services, Inc. 7726 Moller Road Indianapolis, IN 46268 Phone (317)875-5894 Fax (317)872-6189	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

						Preserved Containers						Requested Analysis												
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	WGFU						FOC, ASTM												LAB USE ONLY
1	FAW-SB06(0-2)-103013	PS	10/30/2013 13:12	5089175001	Solid	1						X												20139391
2																								
3																								
4																								
5																								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Kathy Eck	10/31/13 1336	Fed-Ex	
2	Fed-Ex	11/01/13 0900		11/01/13 0900
3				

Comments

Cooler Temperature on Receipt 1.2 °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

KC

page 10 of 11

20161268 PASI-INDI

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample (

Courier: ☐ Pace Courier ☐ Hired Courier ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☑Yes ☐No

Therometer Used:	☐ Therm Fisher IR 5 ☐ Therm Fisher IR 6 ☑ Therm Fisher IR 7

Type of Ice: (Wet) Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: 11-1-13 HB

Temp must be measured from Temperature blank when present

		Comments:
Temperature Blank Present"?	☐Yes ☐No ☑N/A	1
Chain of Custody Present:	☑Yes ☐No ☐N/A	2
Chain of Custody Complete:	☑Yes ☐No ☐N/A	3
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	6
Sufficient Volume:	☑Yes ☐No ☐N/A	7
Correct Containers Used:	☑Yes ☐No ☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes ☐No ☑N/A	9
Sample Labels match COC:	☑Yes ☐No ☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes ☐No ☐N/A	11
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐Yes ☐No ☑N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	13 If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO_3 _____ H_2SO_4 _____
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14
Trip Blank Present:	☐Yes ☑No	15

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 15Feb2013 SCUR Form - mod

Pace Analytical Services, Inc.
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(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

November 13, 2013

Ms. Laura Funk
Weston Solutions
711 East Monument Ave
Dayton, OH 45402

RE: Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Dear Ms. Funk:
Enclosed are the analytical results for sample(s) received by the laboratory on October 31, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

CERTIFICATIONS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

SAMPLE SUMMARY

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5089243001	**FAW-TB08-103113**	Water	10/31/13 08:00	10/31/13 15:45
5089243002	**FAW-SB03(0-2)-103113**	Solid	10/31/13 11:35	10/31/13 15:45
5089243003	**FAW-SB03(2-4)-103113**	Solid	10/31/13 11:40	10/31/13 15:45
5089243004	**FAW-SB03(4-6)-103113**	Solid	10/31/13 11:55	10/31/13 15:45
5089243005	**FAW-SB07(0-2)-103113**	Solid	10/31/13 13:11	10/31/13 15:45
5089243006	**FAW-SB07(2-4)-103113**	Solid	10/31/13 13:20	10/31/13 15:45
5089243007	**FAW-SB07(8-10)-103113**	Solid	10/31/13 13:24	10/31/13 15:45
5089243008	**FAW-SB11(0-2)-103113**	Solid	10/31/13 14:05	10/31/13 15:45
5089243009	**FAW-SB11(2-4)-103113**	Solid	10/31/13 14:08	10/31/13 15:45
5089243010	**FAW-SB11(8-10)-103113**	Solid	10/31/13 14:20	10/31/13 15:45
5089243011	**FAW-SB10(0-2)-103113**	Solid	10/31/13 14:45	10/31/13 15:45

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5089243001	**FAW-TB08-103113**	EPA 8260	DAE	68	PASI-I
5089243002	**FAW-SB03(0-2)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	JLZ	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
		EPA 9045	TPD	1	PASI-I
5089243003	**FAW-SB03(2-4)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	JLZ	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089243004	**FAW-SB03(4-6)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	JLZ	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089243005	**FAW-SB07(0-2)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
		EPA 9045	TPD	1	PASI-I
5089243006	**FAW-SB07(2-4)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089243007	**FAW-SB07(8-10)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089243008	**FAW-SB11(0-2)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089243009	**FAW-SB11(2-4)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	JLZ	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
		EPA 9045	TPD	1	PASI-I
5089243010	**FAW-SB11(8-10)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089243011	**FAW-SB10(0-2)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	JLZ	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-TB08-103113 **Lab ID: 5089243001** Collected: 10/31/13 08:00 Received: 10/31/13 15:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/08/13 18:31	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/08/13 18:31	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/08/13 18:31	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/08/13 18:31	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/08/13 18:31	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/08/13 18:31	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/08/13 18:31	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-25-2	
Bromomethane	ND	ug/L	5.0	3.9	1		11/08/13 18:31	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/08/13 18:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/08/13 18:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/08/13 18:31	67-66-3	
Chloromethane	ND	ug/L	5.0	3.0	1		11/08/13 18:31	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.7	1		11/08/13 18:31	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/08/13 18:31	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	100-41-4	
Iodomethane	ND	ug/L	10.0	5.3	1		11/08/13 18:31	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/08/13 18:31	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/08/13 18:31	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-TB08-103113 **Lab ID: 5089243001** Collected: 10/31/13 08:00 Received: 10/31/13 15:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.4	1		11/08/13 18:31	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.1	1		11/08/13 18:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/08/13 18:31	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.2	1		11/08/13 18:31	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/08/13 18:31	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/08/13 18:31	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/08/13 18:31	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/08/13 18:31	110-57-6	
Surrogates									
Dibromofluoromethane (S)	106	%.	79-116		1		11/08/13 18:31	1868-53-7	
4-Bromofluorobenzene (S)	95	%.	80-114		1		11/08/13 18:31	460-00-4	
Toluene-d8 (S)	94	%.	81-110		1		11/08/13 18:31	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(0-2)-103113 **Lab ID: 5089243002** Collected: 10/31/13 11:35 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**727**	mg/kg	232	58.1	10	11/01/13 20:31	11/04/13 12:51		
TPH (C10-C20)	ND	mg/kg	116	58.1	10	11/01/13 20:31	11/04/13 12:51		
TPH (C20-C34)	**685**	mg/kg	116	58.1	10	11/01/13 20:31	11/04/13 12:51		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/01/13 20:31	11/04/13 12:51	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	115	57.3	1	11/01/13 20:31	11/06/13 15:08	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	115	57.3	1	11/01/13 20:31	11/06/13 15:08	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	115	57.3	1	11/01/13 20:31	11/06/13 15:08	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	115	57.3	1	11/01/13 20:31	11/06/13 15:08	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	115	57.3	1	11/01/13 20:31	11/06/13 15:08	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	115	57.3	1	11/01/13 20:31	11/06/13 15:08	11097-69-1	
PCB-1260 (Aroclor 1260)	**205**	ug/kg	115	57.3	1	11/01/13 20:31	11/06/13 15:08	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	44	%.	30-106		1	11/01/13 20:31	11/06/13 15:08	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.0	0.52	1		11/07/13 17:43		
Surrogates									
4-Bromofluorobenzene (S)	100	%.	38-163		1		11/07/13 17:43	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**10000**	mg/kg	53.4	26.7	1	11/04/13 09:24	11/05/13 08:25	7429-90-5	
Antimony	**14.0**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-36-0	
Arsenic	**20.7**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-38-2	
Barium	**632**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-39-3	
Beryllium	**0.85**	mg/kg	0.53	0.27	1	11/04/13 09:24	11/05/13 08:25	7440-41-7	
Cadmium	**25.3**	mg/kg	2.1	0.53	1	11/04/13 09:24	11/05/13 08:25	7440-43-9	
Chromium	**47.8**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-47-3	
Cobalt	**9.2**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-48-4	
Copper	**396**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-50-8	
Lead	**1260**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7439-92-1	
Nickel	**151**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-02-0	
Selenium	ND	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7782-49-2	
Silver	ND	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-22-4	
Thallium	ND	mg/kg	10.7	5.3	5	11/04/13 09:24	11/05/13 10:13	7440-28-0	D3
Vanadium	**18.2**	mg/kg	2.1	1.1	1	11/04/13 09:24	11/05/13 08:25	7440-62-2	
Zinc	**7140**	mg/kg	10.7	5.3	5	11/04/13 09:24	11/05/13 10:13	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	0.20	1	11/06/13 11:10	11/07/13 14:15	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(0-2)-103113 **Lab ID: 5089243002** Collected: 10/31/13 11:35 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	83-32-9	
Acenaphthylene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	208-96-8	
Anthracene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1950	1890	10	11/01/13 20:31	11/12/13 21:40	50-32-8	
Benzo(b)fluoranthene	**2370J**	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	207-08-9	
Benzyl alcohol	ND	ug/kg	7570	3780	10	11/01/13 20:31	11/12/13 21:40	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	101-55-3	
Butylbenzylphthalate	**16100**	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7570	3780	10	11/01/13 20:31	11/12/13 21:40	59-50-7	
4-Chloroaniline	ND	ug/kg	7570	3780	10	11/01/13 20:31	11/12/13 21:40	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	91-58-7	
2-Chlorophenol	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	7005-72-3	
Chrysene	**2120J**	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1950	1890	10	11/01/13 20:31	11/12/13 21:40	53-70-3	
Dibenzofuran	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	120-83-2	
Diethylphthalate	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	105-67-9	
Dimethylphthalate	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	18300	9170	10	11/01/13 20:31	11/12/13 21:40	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18300	18300	10	11/01/13 20:31	11/12/13 21:40	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	117-84-0	
bis(2-Ethylhexyl)phthalate	**5070**	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	117-81-7	
Fluoranthene	**4950**	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	206-44-0	
Fluorene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3780	3780	10	11/01/13 20:31	11/12/13 21:40	77-47-4	
Hexachloroethane	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	193-39-5	
Isophorone	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7570	3780	10	11/01/13 20:31	11/12/13 21:40		
Naphthalene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	91-20-3	
2-Nitroaniline	ND	ug/kg	18300	9170	10	11/01/13 20:31	11/12/13 21:40	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(0-2)-103113 **Lab ID: 5089243002** Collected: 10/31/13 11:35 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	18300	9170	10	11/01/13 20:31	11/12/13 21:40	99-09-2	
4-Nitroaniline	ND	ug/kg	18300	9170	10	11/01/13 20:31	11/12/13 21:40	100-01-6	
Nitrobenzene	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	98-95-3	
2-Nitrophenol	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	88-75-5	
4-Nitrophenol	ND	ug/kg	18300	9170	10	11/01/13 20:31	11/12/13 21:40	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	86-30-6	
Phenanthrene	**3840**	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	85-01-8	
Phenol	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	108-95-2	1d
Pyrene	**3890**	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3780	1890	10	11/01/13 20:31	11/12/13 21:40	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	49	%.	28-101		10	11/01/13 20:31	11/12/13 21:40	4165-60-0	
2-Fluorobiphenyl (S)	50	%.	31-94		10	11/01/13 20:31	11/12/13 21:40	321-60-8	
p-Terphenyl-d14 (S)	68	%.	26-110		10	11/01/13 20:31	11/12/13 21:40	1718-51-0	
Phenol-d5 (S)	48	%.	28-101		10	11/01/13 20:31	11/12/13 21:40	4165-62-2	
2-Fluorophenol (S)	52	%.	24-104		10	11/01/13 20:31	11/12/13 21:40	367-12-4	
2,4,6-Tribromophenol (S)	50	%.	16-122		10	11/01/13 20:31	11/12/13 21:40	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.11	0.054	1		11/11/13 17:50	67-64-1	
Acrolein	ND	mg/kg	0.11	0.054	1		11/11/13 17:50	107-02-8	
Benzene	ND	mg/kg	0.0054	0.0011	1		11/11/13 17:50	71-43-2	
Bromobenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	108-86-1	
Bromochloromethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-27-4	
Bromoform	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-25-2	
Bromomethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.027	0.013	1		11/11/13 17:50	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	0.0027	1		11/11/13 17:50	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	56-23-5	
Chlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	108-90-7	
Chloroethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-00-3	
Chloroform	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	67-66-3	
Chloromethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	124-48-1	
Dibromomethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(0-2)-103113 **Lab ID: 5089243002** Collected: 10/31/13 11:35 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	0.054	1		11/11/13 17:50	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0054	0.0011	1		11/11/13 17:50	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	0.054	1		11/11/13 17:50	97-63-2	
n-Hexane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	110-54-3	N2
2-Hexanone	ND	mg/kg	0.11	0.054	1		11/11/13 17:50	591-78-6	
Iodomethane	ND	mg/kg	0.11	0.054	1		11/11/13 17:50	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	99-87-6	
Methylene Chloride	ND	mg/kg	0.021	0.011	1		11/11/13 17:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.027	0.013	1		11/11/13 17:50	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	103-65-1	
Styrene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0054	0.0011	1		11/11/13 17:50	127-18-4	
Toluene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	79-00-5	
Trichloroethene	ND	mg/kg	0.0054	0.0011	1		11/11/13 17:50	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	0.054	1		11/11/13 17:50	108-05-4	
Vinyl chloride	ND	mg/kg	0.0054	0.0027	1		11/11/13 17:50	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	0.0054	1		11/11/13 17:50	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	101	%.	85-118		1		11/11/13 17:50	1868-53-7	
Toluene-d8 (S)	102	%.	71-128		1		11/11/13 17:50	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(0-2)-103113 **Lab ID: 5089243002** Collected: 10/31/13 11:35 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	96	%.	56-144		1		11/11/13 17:50	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.0**	%	0.10	0.10	1		11/01/13 15:07		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.0**	Std. Units	0.10		1		11/04/13 12:48		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(2-4)-103113 **Lab ID: 5089243003** Collected: 10/31/13 11:40 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**330**	mg/kg	112	27.9	5	11/01/13 20:31	11/04/13 14:37		
TPH (C10-C20)	**60.9**	mg/kg	55.8	27.9	5	11/01/13 20:31	11/04/13 14:37		
TPH (C20-C34)	**269**	mg/kg	55.8	27.9	5	11/01/13 20:31	11/04/13 14:37		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		5	11/01/13 20:31	11/04/13 14:37	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	110	55.1	1	11/01/13 20:31	11/06/13 15:14	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	110	55.1	1	11/01/13 20:31	11/06/13 15:14	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	110	55.1	1	11/01/13 20:31	11/06/13 15:14	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	110	55.1	1	11/01/13 20:31	11/06/13 15:14	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	110	55.1	1	11/01/13 20:31	11/06/13 15:14	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	110	55.1	1	11/01/13 20:31	11/06/13 15:14	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	110	55.1	1	11/01/13 20:31	11/06/13 15:14	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	49	%.	30-106		1	11/01/13 20:31	11/06/13 15:14	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.98	0.49	1		11/07/13 18:08		
Surrogates									
4-Bromofluorobenzene (S)	105	%.	38-163		1		11/07/13 18:08	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7360**	mg/kg	55.1	27.6	1	11/04/13 09:24	11/05/13 08:27	7429-90-5	
Antimony	**7.9**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-36-0	
Arsenic	**15.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-38-2	
Barium	**467**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-39-3	
Beryllium	**1.1**	mg/kg	0.55	0.28	1	11/04/13 09:24	11/05/13 08:27	7440-41-7	
Cadmium	**3.8**	mg/kg	2.2	0.55	1	11/04/13 09:24	11/05/13 08:27	7440-43-9	
Chromium	**16.0**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-47-3	
Cobalt	**7.7**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-48-4	
Copper	**164**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-50-8	
Lead	**764**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7439-92-1	
Nickel	**40.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-22-4	
Thallium	ND	mg/kg	11.0	5.5	5	11/04/13 09:24	11/05/13 10:15	7440-28-0	D3
Vanadium	**19.3**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-62-2	
Zinc	**1070**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:27	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.32**	mg/kg	0.21	0.18	1	11/06/13 11:10	11/07/13 14:22	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(2-4)-103113 **Lab ID: 5089243003** Collected: 10/31/13 11:40 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	83-32-9	
Acenaphthylene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	208-96-8	
Anthracene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1890	1830	10	11/01/13 20:31	11/12/13 22:00	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	207-08-9	
Benzyl alcohol	ND	ug/kg	7320	3660	10	11/01/13 20:31	11/12/13 22:00	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7320	3660	10	11/01/13 20:31	11/12/13 22:00	59-50-7	
4-Chloroaniline	ND	ug/kg	7320	3660	10	11/01/13 20:31	11/12/13 22:00	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	91-58-7	
2-Chlorophenol	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	7005-72-3	
Chrysene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1890	1830	10	11/01/13 20:31	11/12/13 22:00	53-70-3	
Dibenzofuran	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	120-83-2	
Diethylphthalate	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	105-67-9	
Dimethylphthalate	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17800	8880	10	11/01/13 20:31	11/12/13 22:00	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17800	17800	10	11/01/13 20:31	11/12/13 22:00	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	117-81-7	
Fluoranthene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	206-44-0	
Fluorene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3660	3660	10	11/01/13 20:31	11/12/13 22:00	77-47-4	
Hexachloroethane	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	193-39-5	
Isophorone	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7320	3660	10	11/01/13 20:31	11/12/13 22:00		
Naphthalene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	91-20-3	
2-Nitroaniline	ND	ug/kg	17800	8880	10	11/01/13 20:31	11/12/13 22:00	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(2-4)-103113 **Lab ID: 5089243003** Collected: 10/31/13 11:40 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	17800	8880	10	11/01/13 20:31	11/12/13 22:00	99-09-2	
4-Nitroaniline	ND	ug/kg	17800	8880	10	11/01/13 20:31	11/12/13 22:00	100-01-6	
Nitrobenzene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	98-95-3	
2-Nitrophenol	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	88-75-5	
4-Nitrophenol	ND	ug/kg	17800	8880	10	11/01/13 20:31	11/12/13 22:00	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	86-30-6	
Phenanthrene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	85-01-8	
Phenol	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	108-95-2	1d
Pyrene	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3660	1830	10	11/01/13 20:31	11/12/13 22:00	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	42	%.	28-101		10	11/01/13 20:31	11/12/13 22:00	4165-60-0	
2-Fluorobiphenyl (S)	48	%.	31-94		10	11/01/13 20:31	11/12/13 22:00	321-60-8	
p-Terphenyl-d14 (S)	62	%.	26-110		10	11/01/13 20:31	11/12/13 22:00	1718-51-0	
Phenol-d5 (S)	47	%.	28-101		10	11/01/13 20:31	11/12/13 22:00	4165-62-2	
2-Fluorophenol (S)	48	%.	24-104		10	11/01/13 20:31	11/12/13 22:00	367-12-4	
2,4,6-Tribromophenol (S)	46	%.	16-122		10	11/01/13 20:31	11/12/13 22:00	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.11	0.053	1		11/11/13 18:22	67-64-1	
Acrolein	ND	mg/kg	0.11	0.053	1		11/11/13 18:22	107-02-8	
Benzene	ND	mg/kg	0.0053	0.0011	1		11/11/13 18:22	71-43-2	
Bromobenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	108-86-1	
Bromochloromethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-27-4	
Bromoform	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-25-2	
Bromomethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.026	0.013	1		11/11/13 18:22	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	0.0026	1		11/11/13 18:22	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	56-23-5	
Chlorobenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	108-90-7	
Chloroethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-00-3	
Chloroform	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	67-66-3	
Chloromethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	124-48-1	
Dibromomethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(2-4)-103113 **Lab ID: 5089243003** Collected: 10/31/13 11:40 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	0.053	1		11/11/13 18:22	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0053	0.0011	1		11/11/13 18:22	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	0.053	1		11/11/13 18:22	97-63-2	
n-Hexane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	110-54-3	N2
2-Hexanone	ND	mg/kg	0.11	0.053	1		11/11/13 18:22	591-78-6	
Iodomethane	ND	mg/kg	0.11	0.053	1		11/11/13 18:22	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	99-87-6	
Methylene Chloride	**0.013J**	mg/kg	0.021	0.011	1		11/11/13 18:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.026	0.013	1		11/11/13 18:22	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	103-65-1	
Styrene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0053	0.0011	1		11/11/13 18:22	127-18-4	
Toluene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	79-00-5	
Trichloroethene	ND	mg/kg	0.0053	0.0011	1		11/11/13 18:22	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	0.053	1		11/11/13 18:22	108-05-4	
Vinyl chloride	ND	mg/kg	0.0053	0.0026	1		11/11/13 18:22	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	0.0053	1		11/11/13 18:22	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	99	%.	85-118		1		11/11/13 18:22	1868-53-7	
Toluene-d8 (S)	101	%.	71-128		1		11/11/13 18:22	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(2-4)-103113 **Lab ID: 5089243003** Collected: 10/31/13 11:40 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	98	%.	56-144		1		11/11/13 18:22	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.5**	%	0.10	0.10	1		11/01/13 15:08		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(4-6)-103113 **Lab ID: 5089243004** Collected: 10/31/13 11:55 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**79.6**	mg/kg	22.3	5.6	1	11/01/13 20:31	11/04/13 14:24		
TPH (C10-C20)	**20.4**	mg/kg	11.1	5.6	1	11/01/13 20:31	11/04/13 14:24		
TPH (C20-C34)	**59.2**	mg/kg	11.1	5.6	1	11/01/13 20:31	11/04/13 14:24		
Surrogates									
n-Pentacosane (S)	193	%.	30-153		1	11/01/13 20:31	11/04/13 14:24	629-99-2	5d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	112	55.9	1	11/01/13 20:31	11/05/13 18:17	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	112	55.9	1	11/01/13 20:31	11/05/13 18:17	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	112	55.9	1	11/01/13 20:31	11/05/13 18:17	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	112	55.9	1	11/01/13 20:31	11/05/13 18:17	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	112	55.9	1	11/01/13 20:31	11/05/13 18:17	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	112	55.9	1	11/01/13 20:31	11/05/13 18:17	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	112	55.9	1	11/01/13 20:31	11/05/13 18:17	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	56	%.	30-106		1	11/01/13 20:31	11/05/13 18:17	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.85	0.43	1		11/07/13 20:21		
Surrogates									
4-Bromofluorobenzene (S)	42	%.	38-163		1		11/07/13 20:21	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**8220**	mg/kg	50.2	25.1	1	11/04/13 09:24	11/05/13 08:29	7429-90-5	
Antimony	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-36-0	
Arsenic	**11.3**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-38-2	
Barium	**60.6**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-39-3	
Beryllium	**0.48J**	mg/kg	0.50	0.25	1	11/04/13 09:24	11/05/13 08:29	7440-41-7	
Cadmium	ND	mg/kg	2.0	0.50	1	11/04/13 09:24	11/05/13 08:29	7440-43-9	
Chromium	**10.6**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-47-3	
Cobalt	**6.8**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-48-4	
Copper	**22.2**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-50-8	
Lead	**55.7**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7439-92-1	
Nickel	**19.6**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-02-0	
Selenium	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7782-49-2	
Silver	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-22-4	
Thallium	ND	mg/kg	4.0	2.0	2	11/04/13 09:24	11/05/13 10:17	7440-28-0	D3
Vanadium	**19.7**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-62-2	
Zinc	**95.7**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:29	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.34**	mg/kg	0.23	0.19	1	11/06/13 11:10	11/07/13 14:24	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(4-6)-103113 **Lab ID: 5089243004** Collected: 10/31/13 11:55 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	83-32-9	
Acenaphthylene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	208-96-8	
Anthracene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	120-12-7	
Benzo(a)anthracene	**2140J**	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1880	1830	10	11/01/13 20:31	11/12/13 22:20	50-32-8	
Benzo(b)fluoranthene	**3060J**	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	191-24-2	
Benzo(k)fluoranthene	**2760J**	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	207-08-9	
Benzyl alcohol	ND	ug/kg	7310	3650	10	11/01/13 20:31	11/12/13 22:20	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7310	3650	10	11/01/13 20:31	11/12/13 22:20	59-50-7	
4-Chloroaniline	ND	ug/kg	7310	3650	10	11/01/13 20:31	11/12/13 22:20	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	91-58-7	
2-Chlorophenol	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	7005-72-3	
Chrysene	**2090J**	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1880	1830	10	11/01/13 20:31	11/12/13 22:20	53-70-3	
Dibenzofuran	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	120-83-2	
Diethylphthalate	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	105-67-9	
Dimethylphthalate	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 22:20	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17700	17700	10	11/01/13 20:31	11/12/13 22:20	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	117-81-7	
Fluoranthene	**5520**	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	206-44-0	
Fluorene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3650	3650	10	11/01/13 20:31	11/12/13 22:20	77-47-4	
Hexachloroethane	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	193-39-5	
Isophorone	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7310	3650	10	11/01/13 20:31	11/12/13 22:20		
Naphthalene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	91-20-3	
2-Nitroaniline	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 22:20	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(4-6)-103113 **Lab ID: 5089243004** Collected: 10/31/13 11:55 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 22:20	99-09-2	
4-Nitroaniline	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 22:20	100-01-6	
Nitrobenzene	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	98-95-3	
2-Nitrophenol	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	88-75-5	
4-Nitrophenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 22:20	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	86-30-6	
Phenanthrene	**6120**	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	85-01-8	
Phenol	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	108-95-2	1d
Pyrene	**4410**	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3650	1830	10	11/01/13 20:31	11/12/13 22:20	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	67	%.	28-101		10	11/01/13 20:31	11/12/13 22:20	4165-60-0	
2-Fluorobiphenyl (S)	69	%.	31-94		10	11/01/13 20:31	11/12/13 22:20	321-60-8	
p-Terphenyl-d14 (S)	90	%.	26-110		10	11/01/13 20:31	11/12/13 22:20	1718-51-0	
Phenol-d5 (S)	69	%.	28-101		10	11/01/13 20:31	11/12/13 22:20	4165-62-2	
2-Fluorophenol (S)	71	%.	24-104		10	11/01/13 20:31	11/12/13 22:20	367-12-4	
2,4,6-Tribromophenol (S)	80	%.	16-122		10	11/01/13 20:31	11/12/13 22:20	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.091	0.045	1		11/11/13 18:54	67-64-1	
Acrolein	ND	mg/kg	0.091	0.045	1		11/11/13 18:54	107-02-8	
Benzene	ND	mg/kg	0.0045	0.00091	1		11/11/13 18:54	71-43-2	
Bromobenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	108-86-1	
Bromochloromethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-27-4	
Bromoform	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-25-2	
Bromomethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	0.011	1		11/11/13 18:54	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	98-06-6	
Carbon disulfide	ND	mg/kg	0.0091	0.0023	1		11/11/13 18:54	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	108-90-7	
Chloroethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-00-3	
Chloroform	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	67-66-3	
Chloromethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	124-48-1	
Dibromomethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(4-6)-103113 **Lab ID: 5089243004** Collected: 10/31/13 11:55 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.091	0.045	1		11/11/13 18:54	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	0.00091	1		11/11/13 18:54	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.091	0.045	1		11/11/13 18:54	97-63-2	
n-Hexane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	110-54-3	N2
2-Hexanone	ND	mg/kg	0.091	0.045	1		11/11/13 18:54	591-78-6	
Iodomethane	ND	mg/kg	0.091	0.045	1		11/11/13 18:54	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0091	1		11/11/13 18:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	0.011	1		11/11/13 18:54	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	103-65-1	
Styrene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0045	0.00091	1		11/11/13 18:54	127-18-4	
Toluene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	79-00-5	
Trichloroethene	ND	mg/kg	0.0045	0.00091	1		11/11/13 18:54	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	108-67-8	
Vinyl acetate	ND	mg/kg	0.091	0.045	1		11/11/13 18:54	108-05-4	
Vinyl chloride	ND	mg/kg	0.0045	0.0023	1		11/11/13 18:54	75-01-4	
Xylene (Total)	ND	mg/kg	0.0091	0.0045	1		11/11/13 18:54	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	101	%.	85-118		1		11/11/13 18:54	1868-53-7	
Toluene-d8 (S)	102	%.	71-128		1		11/11/13 18:54	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB03(4-6)-103113 **Lab ID: 5089243004** Collected: 10/31/13 11:55 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	94	%.	56-144		1		11/11/13 18:54	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.6**	%	0.10	0.10	1		11/01/13 15:08		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(0-2)-103113 **Lab ID: 5089243005** Collected: 10/31/13 13:11 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**899**	mg/kg	240	60.0	10	11/01/13 20:31	11/04/13 13:24		
TPH (C10-C20)	**160**	mg/kg	120	60.0	10	11/01/13 20:31	11/04/13 13:24		
TPH (C20-C34)	**739**	mg/kg	120	60.0	10	11/01/13 20:31	11/04/13 13:24		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/01/13 20:31	11/04/13 13:24	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	121	60.6	1	11/01/13 20:31	11/05/13 17:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	121	60.6	1	11/01/13 20:31	11/05/13 17:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	121	60.6	1	11/01/13 20:31	11/05/13 17:53	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	121	60.6	1	11/01/13 20:31	11/05/13 17:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	121	60.6	1	11/01/13 20:31	11/05/13 17:53	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	121	60.6	1	11/01/13 20:31	11/05/13 17:53	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	121	60.6	1	11/01/13 20:31	11/05/13 17:53	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	60	%.	30-106		1	11/01/13 20:31	11/05/13 17:53	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11700**	mg/kg	54.7	27.4	1	11/04/13 09:24	11/05/13 08:32	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-36-0	
Arsenic	**12.7**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-38-2	
Barium	**951**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-39-3	
Beryllium	**0.60**	mg/kg	0.55	0.27	1	11/04/13 09:24	11/05/13 08:32	7440-41-7	
Cadmium	**0.74J**	mg/kg	2.2	0.55	1	11/04/13 09:24	11/05/13 08:32	7440-43-9	
Chromium	**25.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-47-3	
Cobalt	**5.9**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-48-4	
Copper	**25.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-50-8	
Lead	**182**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7439-92-1	
Nickel	**23.1**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-22-4	
Thallium	ND	mg/kg	10.9	5.5	5	11/04/13 09:24	11/05/13 10:19	7440-28-0	D3
Vanadium	**25.9**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-62-2	
Zinc	**507**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:32	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.26	0.22	1	11/06/13 11:10	11/07/13 14:26	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**15300**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	83-32-9	
Acenaphthylene	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	208-96-8	
Anthracene	**40500**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	120-12-7	
Benzo(a)anthracene	**54800**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	56-55-3	
Benzo(a)pyrene	**44400**	ug/kg	2040	1980	10	11/01/13 20:31	11/12/13 22:40	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(0-2)-103113 **Lab ID: 5089243005** Collected: 10/31/13 13:11 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**59800**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	205-99-2	
Benzo(g,h,i)perylene	**22800**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	191-24-2	
Benzo(k)fluoranthene	**17100**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	207-08-9	
Benzyl alcohol	ND	ug/kg	7920	3960	10	11/01/13 20:31	11/12/13 22:40	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7920	3960	10	11/01/13 20:31	11/12/13 22:40	59-50-7	
4-Chloroaniline	ND	ug/kg	7920	3960	10	11/01/13 20:31	11/12/13 22:40	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	91-58-7	
2-Chlorophenol	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	7005-72-3	
Chrysene	**46900**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	218-01-9	
Dibenz(a,h)anthracene	**6760**	ug/kg	2040	1980	10	11/01/13 20:31	11/12/13 22:40	53-70-3	
Dibenzofuran	**12400**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	120-83-2	
Diethylphthalate	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	105-67-9	
Dimethylphthalate	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19200	9600	10	11/01/13 20:31	11/12/13 22:40	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19200	19200	10	11/01/13 20:31	11/12/13 22:40	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	117-81-7	
Fluoranthene	**152000**	ug/kg	39600	19800	100	11/01/13 20:31	11/13/13 13:26	206-44-0	
Fluorene	**19000**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3960	3960	10	11/01/13 20:31	11/12/13 22:40	77-47-4	
Hexachloroethane	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	67-72-1	
Indeno(1,2,3-cd)pyrene	**21600**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	193-39-5	
Isophorone	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	78-59-1	
2-Methylnaphthalene	**3510J**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7920	3960	10	11/01/13 20:31	11/12/13 22:40		
Naphthalene	**12100**	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	91-20-3	
2-Nitroaniline	ND	ug/kg	19200	9600	10	11/01/13 20:31	11/12/13 22:40	88-74-4	
3-Nitroaniline	ND	ug/kg	19200	9600	10	11/01/13 20:31	11/12/13 22:40	99-09-2	
4-Nitroaniline	ND	ug/kg	19200	9600	10	11/01/13 20:31	11/12/13 22:40	100-01-6	
Nitrobenzene	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	98-95-3	
2-Nitrophenol	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	88-75-5	
4-Nitrophenol	ND	ug/kg	19200	9600	10	11/01/13 20:31	11/12/13 22:40	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(0-2)-103113 **Lab ID: 5089243005** Collected: 10/31/13 13:11 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	86-30-6	
Phenanthrene	**140000**	ug/kg	39600	19800	100	11/01/13 20:31	11/13/13 13:26	85-01-8	
Phenol	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	108-95-2	1d
Pyrene	**112000**	ug/kg	39600	19800	100	11/01/13 20:31	11/13/13 13:26	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3960	1980	10	11/01/13 20:31	11/12/13 22:40	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	52	%.	28-101		10	11/01/13 20:31	11/12/13 22:40	4165-60-0	
2-Fluorobiphenyl (S)	54	%.	31-94		10	11/01/13 20:31	11/12/13 22:40	321-60-8	
p-Terphenyl-d14 (S)	53	%.	26-110		10	11/01/13 20:31	11/12/13 22:40	1718-51-0	
Phenol-d5 (S)	50	%.	28-101		10	11/01/13 20:31	11/12/13 22:40	4165-62-2	
2-Fluorophenol (S)	53	%.	24-104		10	11/01/13 20:31	11/12/13 22:40	367-12-4	
2,4,6-Tribromophenol (S)	52	%.	16-122		10	11/01/13 20:31	11/12/13 22:40	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.8**	%	0.10	0.10	1		11/01/13 15:08		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.4**	Std. Units	0.10		1		11/04/13 12:51		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(2-4)-103113 **Lab ID: 5089243006** Collected: 10/31/13 13:20 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**70.3**	mg/kg	24.0	6.0	1	11/01/13 20:31	11/04/13 14:31		
TPH (C10-C20)	**8.0J**	mg/kg	12.0	6.0	1	11/01/13 20:31	11/04/13 14:31		
TPH (C20-C34)	**62.3**	mg/kg	12.0	6.0	1	11/01/13 20:31	11/04/13 14:31		
Surrogates									
n-Pentacosane (S)	144	%.	30-153		1	11/01/13 20:31	11/04/13 14:31	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	120	60.2	1	11/01/13 20:31	11/06/13 15:31	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	120	60.2	1	11/01/13 20:31	11/06/13 15:31	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	120	60.2	1	11/01/13 20:31	11/06/13 15:31	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	120	60.2	1	11/01/13 20:31	11/06/13 15:31	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	120	60.2	1	11/01/13 20:31	11/06/13 15:31	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	120	60.2	1	11/01/13 20:31	11/06/13 15:31	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	120	60.2	1	11/01/13 20:31	11/06/13 15:31	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	64	%.	30-106		1	11/01/13 20:31	11/06/13 15:31	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**14400**	mg/kg	58.7	29.4	1	11/04/13 09:24	11/05/13 08:34	7429-90-5	
Antimony	ND	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-36-0	
Arsenic	**6.0**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-38-2	
Barium	**59.9**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-39-3	
Beryllium	**0.45J**	mg/kg	0.59	0.29	1	11/04/13 09:24	11/05/13 08:34	7440-41-7	
Cadmium	ND	mg/kg	2.3	0.59	1	11/04/13 09:24	11/05/13 08:34	7440-43-9	
Chromium	**27.0**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-47-3	
Cobalt	**2.9**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-48-4	
Copper	**26.3**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-50-8	
Lead	**27.0**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7439-92-1	
Nickel	**12.9**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-02-0	
Selenium	ND	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7782-49-2	
Silver	ND	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-22-4	
Thallium	**1.4J**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-28-0	
Vanadium	**55.7**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-62-2	
Zinc	**67.4**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 08:34	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	0.21	1	11/06/13 11:10	11/07/13 14:28	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	83-32-9	
Acenaphthylene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	208-96-8	
Anthracene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	56-55-3	
Benzo(a)pyrene	ND	ug/kg	2030	1970	10	11/01/13 20:31	11/12/13 23:00	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(2-4)-103113 **Lab ID: 5089243006** Collected: 10/31/13 13:20 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	207-08-9	
Benzyl alcohol	ND	ug/kg	7900	3950	10	11/01/13 20:31	11/12/13 23:00	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7900	3950	10	11/01/13 20:31	11/12/13 23:00	59-50-7	
4-Chloroaniline	ND	ug/kg	7900	3950	10	11/01/13 20:31	11/12/13 23:00	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	91-58-7	
2-Chlorophenol	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	7005-72-3	
Chrysene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2030	1970	10	11/01/13 20:31	11/12/13 23:00	53-70-3	
Dibenzofuran	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	120-83-2	
Diethylphthalate	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	105-67-9	
Dimethylphthalate	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19100	9570	10	11/01/13 20:31	11/12/13 23:00	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19100	19100	10	11/01/13 20:31	11/12/13 23:00	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	117-81-7	
Fluoranthene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	206-44-0	
Fluorene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3950	3950	10	11/01/13 20:31	11/12/13 23:00	77-47-4	
Hexachloroethane	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	193-39-5	
Isophorone	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7900	3950	10	11/01/13 20:31	11/12/13 23:00		
Naphthalene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	91-20-3	
2-Nitroaniline	ND	ug/kg	19100	9570	10	11/01/13 20:31	11/12/13 23:00	88-74-4	
3-Nitroaniline	ND	ug/kg	19100	9570	10	11/01/13 20:31	11/12/13 23:00	99-09-2	
4-Nitroaniline	ND	ug/kg	19100	9570	10	11/01/13 20:31	11/12/13 23:00	100-01-6	
Nitrobenzene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	98-95-3	
2-Nitrophenol	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	88-75-5	
4-Nitrophenol	ND	ug/kg	19100	9570	10	11/01/13 20:31	11/12/13 23:00	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(2-4)-103113 **Lab ID: 5089243006** Collected: 10/31/13 13:20 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	86-30-6	
Phenanthrene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	85-01-8	
Phenol	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	108-95-2	1d
Pyrene	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3950	1970	10	11/01/13 20:31	11/12/13 23:00	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	67	%.	28-101		10	11/01/13 20:31	11/12/13 23:00	4165-60-0	
2-Fluorobiphenyl (S)	67	%.	31-94		10	11/01/13 20:31	11/12/13 23:00	321-60-8	
p-Terphenyl-d14 (S)	87	%.	26-110		10	11/01/13 20:31	11/12/13 23:00	1718-51-0	
Phenol-d5 (S)	70	%.	28-101		10	11/01/13 20:31	11/12/13 23:00	4165-62-2	
2-Fluorophenol (S)	75	%.	24-104		10	11/01/13 20:31	11/12/13 23:00	367-12-4	
2,4,6-Tribromophenol (S)	76	%.	16-122		10	11/01/13 20:31	11/12/13 23:00	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.0**	%	0.10	0.10	1		11/01/13 15:08		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(8-10)-103113 **Lab ID: 5089243007** Collected: 10/31/13 13:24 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**42.9**	mg/kg	21.1	5.3	1	11/01/13 20:31	11/04/13 13:38		
TPH (C10-C20)	**10.2J**	mg/kg	10.6	5.3	1	11/01/13 20:31	11/04/13 13:38		
TPH (C20-C34)	**32.7**	mg/kg	10.6	5.3	1	11/01/13 20:31	11/04/13 13:38		
Surrogates									
n-Pentacosane (S)	139	%.	30-153		1	11/01/13 20:31	11/04/13 13:38	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	106	52.9	1	11/01/13 20:31	11/05/13 18:29	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	106	52.9	1	11/01/13 20:31	11/05/13 18:29	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	106	52.9	1	11/01/13 20:31	11/05/13 18:29	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	106	52.9	1	11/01/13 20:31	11/05/13 18:29	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	106	52.9	1	11/01/13 20:31	11/05/13 18:29	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	106	52.9	1	11/01/13 20:31	11/05/13 18:29	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	106	52.9	1	11/01/13 20:31	11/05/13 18:29	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	59	%.	30-106		1	11/01/13 20:31	11/05/13 18:29	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7450**	mg/kg	51.2	25.6	1	11/04/13 09:24	11/05/13 08:36	7429-90-5	
Antimony	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-36-0	
Arsenic	**12.4**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-38-2	
Barium	**39.4**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-39-3	
Beryllium	**0.39J**	mg/kg	0.51	0.26	1	11/04/13 09:24	11/05/13 08:36	7440-41-7	
Cadmium	ND	mg/kg	2.0	0.51	1	11/04/13 09:24	11/05/13 08:36	7440-43-9	
Chromium	**9.8**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-47-3	
Cobalt	**6.8**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-48-4	
Copper	**23.2**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-50-8	
Lead	**22.2**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7439-92-1	
Nickel	**19.8**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-02-0	
Selenium	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7782-49-2	
Silver	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-22-4	
Thallium	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-28-0	
Vanadium	**17.0**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-62-2	
Zinc	**81.1**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 08:36	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.22	0.19	1	11/06/13 11:10	11/07/13 14:30	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	83-32-9	
Acenaphthylene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	208-96-8	
Anthracene	**229J**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	120-12-7	
Benzo(a)anthracene	**464**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	56-55-3	
Benzo(a)pyrene	**421**	ug/kg	181	176	1	11/01/13 20:31	11/12/13 23:19	50-32-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(8-10)-103113 **Lab ID: 5089243007** Collected: 10/31/13 13:24 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**529**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	205-99-2	
Benzo(g,h,i)perylene	**222J**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	191-24-2	
Benzo(k)fluoranthene	**235J**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	207-08-9	
Benzyl alcohol	ND	ug/kg	703	352	1	11/01/13 20:31	11/12/13 23:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	101-55-3	
Butylbenzylphthalate	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	703	352	1	11/01/13 20:31	11/12/13 23:19	59-50-7	
4-Chloroaniline	ND	ug/kg	703	352	1	11/01/13 20:31	11/12/13 23:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	108-60-1	
2-Chloronaphthalene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	91-58-7	
2-Chlorophenol	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	7005-72-3	
Chrysene	**440**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	181	176	1	11/01/13 20:31	11/12/13 23:19	53-70-3	
Dibenzofuran	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	120-83-2	
Diethylphthalate	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	105-67-9	
Dimethylphthalate	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	131-11-3	
Di-n-butylphthalate	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1710	853	1	11/01/13 20:31	11/12/13 23:19	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1710	1710	1	11/01/13 20:31	11/12/13 23:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	606-20-2	
Di-n-octylphthalate	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	117-81-7	
Fluoranthene	**943**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	206-44-0	
Fluorene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	352	352	1	11/01/13 20:31	11/12/13 23:19	77-47-4	
Hexachloroethane	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	67-72-1	
Indeno(1,2,3-cd)pyrene	**201J**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	193-39-5	
Isophorone	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	78-59-1	
2-Methylnaphthalene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	703	352	1	11/01/13 20:31	11/12/13 23:19		
Naphthalene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	91-20-3	
2-Nitroaniline	ND	ug/kg	1710	853	1	11/01/13 20:31	11/12/13 23:19	88-74-4	
3-Nitroaniline	ND	ug/kg	1710	853	1	11/01/13 20:31	11/12/13 23:19	99-09-2	
4-Nitroaniline	ND	ug/kg	1710	853	1	11/01/13 20:31	11/12/13 23:19	100-01-6	
Nitrobenzene	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	98-95-3	
2-Nitrophenol	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	88-75-5	
4-Nitrophenol	ND	ug/kg	1710	853	1	11/01/13 20:31	11/12/13 23:19	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB07(8-10)-103113 **Lab ID: 5089243007** Collected: 10/31/13 13:24 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	86-30-6	
Phenanthrene	**804**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	85-01-8	
Phenol	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	108-95-2	
Pyrene	**760**	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	352	176	1	11/01/13 20:31	11/12/13 23:19	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	59	%.	28-101		1	11/01/13 20:31	11/12/13 23:19	4165-60-0	
2-Fluorobiphenyl (S)	60	%.	31-94		1	11/01/13 20:31	11/12/13 23:19	321-60-8	
p-Terphenyl-d14 (S)	70	%.	26-110		1	11/01/13 20:31	11/12/13 23:19	1718-51-0	
Phenol-d5 (S)	57	%.	28-101		1	11/01/13 20:31	11/12/13 23:19	4165-62-2	
2-Fluorophenol (S)	61	%.	24-104		1	11/01/13 20:31	11/12/13 23:19	367-12-4	
2,4,6-Tribromophenol (S)	65	%.	16-122		1	11/01/13 20:31	11/12/13 23:19	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.2**	%	0.10	0.10	1		11/01/13 15:08		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(0-2)-103113 **Lab ID: 5089243008** Collected: 10/31/13 14:05 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**134**	mg/kg	122	30.5	5	11/01/13 20:31	11/04/13 15:04		
TPH (C10-C20)	ND	mg/kg	60.9	30.5	5	11/01/13 20:31	11/04/13 15:04		
TPH (C20-C34)	**109**	mg/kg	60.9	30.5	5	11/01/13 20:31	11/04/13 15:04		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		5	11/01/13 20:31	11/04/13 15:04	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	122	60.9	1	11/01/13 20:31	11/05/13 17:59	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	122	60.9	1	11/01/13 20:31	11/05/13 17:59	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	122	60.9	1	11/01/13 20:31	11/05/13 17:59	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	122	60.9	1	11/01/13 20:31	11/05/13 17:59	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	122	60.9	1	11/01/13 20:31	11/05/13 17:59	12672-29-6	
PCB-1254 (Aroclor 1254)	**280**	ug/kg	122	60.9	1	11/01/13 20:31	11/05/13 17:59	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	122	60.9	1	11/01/13 20:31	11/05/13 17:59	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	31	%.	30-106		1	11/01/13 20:31	11/05/13 17:59	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**13200**	mg/kg	54.3	27.2	1	11/04/13 09:24	11/05/13 08:38	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-36-0	
Arsenic	**19.0**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-38-2	
Barium	**84.8**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-39-3	
Beryllium	**0.90**	mg/kg	0.54	0.27	1	11/04/13 09:24	11/05/13 08:38	7440-41-7	
Cadmium	ND	mg/kg	2.2	0.54	1	11/04/13 09:24	11/05/13 08:38	7440-43-9	
Chromium	**24.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-47-3	
Cobalt	**17.7**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-48-4	
Copper	**47.3**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-50-8	
Lead	**516**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7439-92-1	
Nickel	**34.0**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-28-0	
Vanadium	**23.8**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-62-2	
Zinc	**149**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:38	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	0.21	1	11/06/13 11:10	11/07/13 14:32	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	83-32-9	
Acenaphthylene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	208-96-8	
Anthracene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	2060	2000	10	11/01/13 20:31	11/12/13 23:39	50-32-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(0-2)-103113 **Lab ID: 5089243008** Collected: 10/31/13 14:05 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**2170J**	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	207-08-9	
Benzyl alcohol	ND	ug/kg	8020	4010	10	11/01/13 20:31	11/12/13 23:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	101-55-3	
Butylbenzylphthalate	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	8020	4010	10	11/01/13 20:31	11/12/13 23:39	59-50-7	
4-Chloroaniline	ND	ug/kg	8020	4010	10	11/01/13 20:31	11/12/13 23:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	108-60-1	
2-Chloronaphthalene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	91-58-7	
2-Chlorophenol	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	7005-72-3	
Chrysene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2060	2000	10	11/01/13 20:31	11/12/13 23:39	53-70-3	
Dibenzofuran	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	120-83-2	
Diethylphthalate	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	105-67-9	
Dimethylphthalate	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	131-11-3	
Di-n-butylphthalate	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19400	9720	10	11/01/13 20:31	11/12/13 23:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19400	19400	10	11/01/13 20:31	11/12/13 23:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	117-81-7	
Fluoranthene	**4030**	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	206-44-0	
Fluorene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	4010	4010	10	11/01/13 20:31	11/12/13 23:39	77-47-4	
Hexachloroethane	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	193-39-5	
Isophorone	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	78-59-1	
2-Methylnaphthalene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	8020	4010	10	11/01/13 20:31	11/12/13 23:39		
Naphthalene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	91-20-3	
2-Nitroaniline	ND	ug/kg	19400	9720	10	11/01/13 20:31	11/12/13 23:39	88-74-4	
3-Nitroaniline	ND	ug/kg	19400	9720	10	11/01/13 20:31	11/12/13 23:39	99-09-2	
4-Nitroaniline	ND	ug/kg	19400	9720	10	11/01/13 20:31	11/12/13 23:39	100-01-6	
Nitrobenzene	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	98-95-3	
2-Nitrophenol	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	88-75-5	
4-Nitrophenol	ND	ug/kg	19400	9720	10	11/01/13 20:31	11/12/13 23:39	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(0-2)-103113 **Lab ID: 5089243008** Collected: 10/31/13 14:05 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	86-30-6	
Phenanthrene	**3880J**	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	85-01-8	
Phenol	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	108-95-2	1d
Pyrene	**3160J**	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	4010	2000	10	11/01/13 20:31	11/12/13 23:39	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	49	%.	28-101		10	11/01/13 20:31	11/12/13 23:39	4165-60-0	
2-Fluorobiphenyl (S)	50	%.	31-94		10	11/01/13 20:31	11/12/13 23:39	321-60-8	
p-Terphenyl-d14 (S)	57	%.	26-110		10	11/01/13 20:31	11/12/13 23:39	1718-51-0	
Phenol-d5 (S)	47	%.	28-101		10	11/01/13 20:31	11/12/13 23:39	4165-62-2	
2-Fluorophenol (S)	51	%.	24-104		10	11/01/13 20:31	11/12/13 23:39	367-12-4	
2,4,6-Tribromophenol (S)	50	%.	16-122		10	11/01/13 20:31	11/12/13 23:39	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.9**	%	0.10	0.10	1		11/01/13 15:08		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(2-4)-103113 **Lab ID: 5089243009** Collected: 10/31/13 14:08 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**23600**	mg/kg	5350	1340	50	11/01/13 20:31	11/04/13 14:51		
TPH (C10-C20)	**5370**	mg/kg	2680	1340	50	11/01/13 20:31	11/04/13 14:51		
TPH (C20-C34)	**18200**	mg/kg	2680	1340	50	11/01/13 20:31	11/04/13 14:51		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		50	11/01/13 20:31	11/04/13 14:51	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1070	533	10	11/01/13 20:31	11/06/13 15:37	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1070	533	10	11/01/13 20:31	11/06/13 15:37	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1070	533	10	11/01/13 20:31	11/06/13 15:37	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1070	533	10	11/01/13 20:31	11/06/13 15:37	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1070	533	10	11/01/13 20:31	11/06/13 15:37	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1070	533	10	11/01/13 20:31	11/06/13 15:37	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1070	533	10	11/01/13 20:31	11/06/13 15:37	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/01/13 20:31	11/06/13 15:37	877-09-8	S4
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	**73.9**	mg/kg	27.0	13.5	25		11/07/13 20:46		
Surrogates									
4-Bromofluorobenzene (S)	89	%.	38-163		25		11/07/13 20:46	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**2820**	mg/kg	48.2	24.1	1	11/04/13 09:24	11/05/13 08:45	7429-90-5	
Antimony	**1.6J**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-36-0	
Arsenic	**7.9**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-38-2	
Barium	**69.8**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-39-3	
Beryllium	ND	mg/kg	0.48	0.24	1	11/04/13 09:24	11/05/13 08:45	7440-41-7	
Cadmium	**4.0**	mg/kg	1.9	0.48	1	11/04/13 09:24	11/05/13 08:45	7440-43-9	
Chromium	**10.2**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-47-3	
Cobalt	**2.4**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-48-4	
Copper	**81.1**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-50-8	
Lead	**219**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7439-92-1	
Nickel	**17.9**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-02-0	
Selenium	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7782-49-2	
Silver	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-22-4	
Thallium	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-28-0	
Vanadium	**8.0**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-62-2	
Zinc	**500**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:45	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.21	0.18	1	11/06/13 11:10	11/07/13 14:34	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(2-4)-103113 **Lab ID: 5089243009** Collected: 10/31/13 14:08 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**225000**	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	83-32-9	
Acenaphthylene	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	208-96-8	
Anthracene	**536000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	120-12-7	
Benzo(a)anthracene	**731000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	56-55-3	
Benzo(a)pyrene	**670000**	ug/kg	91300	88600	100	11/01/13 20:31	11/13/13 13:06	50-32-8	
Benzo(b)fluoranthene	**836000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	205-99-2	
Benzo(g,h,i)perylene	**330000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	191-24-2	
Benzo(k)fluoranthene	**335000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	207-08-9	
Benzyl alcohol	ND	ug/kg	35400	17700	10	11/01/13 20:31	11/12/13 23:59	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	101-55-3	
Butylbenzylphthalate	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	35400	17700	10	11/01/13 20:31	11/12/13 23:59	59-50-7	
4-Chloroaniline	ND	ug/kg	35400	17700	10	11/01/13 20:31	11/12/13 23:59	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	108-60-1	
2-Chloronaphthalene	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	91-58-7	
2-Chlorophenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	7005-72-3	
Chrysene	**658000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	218-01-9	
Dibenz(a,h)anthracene	**116000**	ug/kg	9130	8860	10	11/01/13 20:31	11/12/13 23:59	53-70-3	
Dibenzofuran	**187000**	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	120-83-2	
Diethylphthalate	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	105-67-9	
Dimethylphthalate	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	131-11-3	
Di-n-butylphthalate	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	85900	43000	10	11/01/13 20:31	11/12/13 23:59	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	85900	85900	10	11/01/13 20:31	11/12/13 23:59	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	606-20-2	
Di-n-octylphthalate	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	117-81-7	
Fluoranthene	**1770000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	206-44-0	
Fluorene	**278000**	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	17700	17700	10	11/01/13 20:31	11/12/13 23:59	77-47-4	
Hexachloroethane	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	67-72-1	
Indeno(1,2,3-cd)pyrene	**331000**	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	193-39-5	
Isophorone	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	78-59-1	
2-Methylnaphthalene	**49700**	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	35400	17700	10	11/01/13 20:31	11/12/13 23:59		
Naphthalene	**90700**	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	91-20-3	
2-Nitroaniline	ND	ug/kg	85900	43000	10	11/01/13 20:31	11/12/13 23:59	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(2-4)-103113 **Lab ID: 5089243009** Collected: 10/31/13 14:08 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	85900	43000	10	11/01/13 20:31	11/12/13 23:59	99-09-2	
4-Nitroaniline	ND	ug/kg	85900	43000	10	11/01/13 20:31	11/12/13 23:59	100-01-6	
Nitrobenzene	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	98-95-3	
2-Nitrophenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	88-75-5	
4-Nitrophenol	ND	ug/kg	85900	43000	10	11/01/13 20:31	11/12/13 23:59	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	86-30-6	
Phenanthrene	**1740000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	85-01-8	
Phenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	108-95-2	1d
Pyrene	**1420000**	ug/kg	177000	88600	100	11/01/13 20:31	11/13/13 13:06	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	17700	8860	10	11/01/13 20:31	11/12/13 23:59	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	60	%.	28-101		10	11/01/13 20:31	11/12/13 23:59	4165-60-0	
2-Fluorobiphenyl (S)	64	%.	31-94		10	11/01/13 20:31	11/12/13 23:59	321-60-8	
p-Terphenyl-d14 (S)	0	%.	26-110		10	11/01/13 20:31	11/12/13 23:59	1718-51-0	S4
Phenol-d5 (S)	57	%.	28-101		10	11/01/13 20:31	11/12/13 23:59	4165-62-2	
2-Fluorophenol (S)	59	%.	24-104		10	11/01/13 20:31	11/12/13 23:59	367-12-4	
2,4,6-Tribromophenol (S)	52	%.	16-122		10	11/01/13 20:31	11/12/13 23:59	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	10.8	5.4	100		11/11/13 19:59	67-64-1	
Acrolein	ND	mg/kg	10.8	5.4	100		11/11/13 19:59	107-02-8	
Benzene	**0.78**	mg/kg	0.54	0.11	100		11/11/13 19:59	71-43-2	
Bromobenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	108-86-1	
Bromochloromethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	74-97-5	
Bromodichloromethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-27-4	
Bromoform	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-25-2	
Bromomethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	74-83-9	
2-Butanone (MEK)	ND	mg/kg	2.7	1.3	100		11/11/13 19:59	78-93-3	
n-Butylbenzene	**0.38J**	mg/kg	0.54	0.27	100		11/11/13 19:59	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	98-06-6	
Carbon disulfide	ND	mg/kg	1.1	0.27	100		11/11/13 19:59	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	56-23-5	
Chlorobenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	108-90-7	
Chloroethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-00-3	
Chloroform	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	67-66-3	
Chloromethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	106-43-4	
Dibromochloromethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	124-48-1	
Dibromomethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(2-4)-103113 **Lab ID: 5089243009** Collected: 10/31/13 14:08 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	10.8	5.4	100		11/11/13 19:59	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.54	0.11	100		11/11/13 19:59	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	10061-02-6	
Ethylbenzene	**1.0**	mg/kg	0.54	0.27	100		11/11/13 19:59	100-41-4	
Ethyl methacrylate	ND	mg/kg	10.8	5.4	100		11/11/13 19:59	97-63-2	
n-Hexane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	110-54-3	N2
2-Hexanone	ND	mg/kg	10.8	5.4	100		11/11/13 19:59	591-78-6	
Iodomethane	ND	mg/kg	10.8	5.4	100		11/11/13 19:59	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	99-87-6	
Methylene Chloride	ND	mg/kg	2.2	1.1	100		11/11/13 19:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	2.7	1.3	100		11/11/13 19:59	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	1634-04-4	D4
n-Propylbenzene	**0.34J**	mg/kg	0.54	0.27	100		11/11/13 19:59	103-65-1	
Styrene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	79-34-5	
Tetrachloroethene	ND	mg/kg	0.54	0.11	100		11/11/13 19:59	127-18-4	
Toluene	**3.9**	mg/kg	0.54	0.27	100		11/11/13 19:59	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	79-00-5	
Trichloroethene	ND	mg/kg	0.54	0.11	100		11/11/13 19:59	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-69-4	
1,2,4-Trimethylbenzene	**3.2**	mg/kg	0.54	0.27	100		11/11/13 19:59	95-63-6	
1,3,5-Trimethylbenzene	**1.5**	mg/kg	0.54	0.27	100		11/11/13 19:59	108-67-8	
Vinyl acetate	ND	mg/kg	10.8	5.4	100		11/11/13 19:59	108-05-4	
Vinyl chloride	ND	mg/kg	0.54	0.27	100		11/11/13 19:59	75-01-4	
Xylene (Total)	**7.8**	mg/kg	1.1	0.54	100		11/11/13 19:59	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	97	%.	85-118		100		11/11/13 19:59	1868-53-7	
Toluene-d8 (S)	101	%.	71-128		100		11/11/13 19:59	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(2-4)-103113 **Lab ID: 5089243009** Collected: 10/31/13 14:08 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	99	%.	56-144		100		11/11/13 19:59	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.2**	%	0.10	0.10	1		11/01/13 15:08		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.2**	Std. Units	0.10		1		11/04/13 12:51		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(8-10)-103113 **Lab ID: 5089243010** Collected: 10/31/13 14:20 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**6.5J**	mg/kg	22.5	5.6	1	11/01/13 20:31	11/04/13 13:57		
TPH (C10-C20)	ND	mg/kg	11.2	5.6	1	11/01/13 20:31	11/04/13 13:57		
TPH (C20-C34)	ND	mg/kg	11.2	5.6	1	11/01/13 20:31	11/04/13 13:57		
Surrogates									
n-Pentacosane (S)	90	%.	30-153		1	11/01/13 20:31	11/04/13 13:57	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	112	56.0	1	11/01/13 20:31	11/05/13 18:35	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	112	56.0	1	11/01/13 20:31	11/05/13 18:35	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	112	56.0	1	11/01/13 20:31	11/05/13 18:35	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	112	56.0	1	11/01/13 20:31	11/05/13 18:35	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	112	56.0	1	11/01/13 20:31	11/05/13 18:35	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	112	56.0	1	11/01/13 20:31	11/05/13 18:35	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	112	56.0	1	11/01/13 20:31	11/05/13 18:35	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	74	%.	30-106		1	11/01/13 20:31	11/05/13 18:35	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7270**	mg/kg	48.1	24.1	1	11/04/13 09:24	11/05/13 08:47	7429-90-5	
Antimony	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-36-0	
Arsenic	**13.6**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-38-2	
Barium	**14.3**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-39-3	
Beryllium	**0.48**	mg/kg	0.48	0.24	1	11/04/13 09:24	11/05/13 08:47	7440-41-7	
Cadmium	ND	mg/kg	1.9	0.48	1	11/04/13 09:24	11/05/13 08:47	7440-43-9	
Chromium	**10.2**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-47-3	
Cobalt	**9.7**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-48-4	
Copper	**21.4**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-50-8	
Lead	**9.0**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7439-92-1	
Nickel	**24.2**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-02-0	
Selenium	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7782-49-2	
Silver	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-22-4	
Thallium	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-28-0	
Vanadium	**22.5**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-62-2	
Zinc	**107**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 08:47	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	0.20	1	11/06/13 11:10	11/07/13 14:36	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	83-32-9	
Acenaphthylene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	208-96-8	
Anthracene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	120-12-7	
Benzo(a)anthracene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	56-55-3	
Benzo(a)pyrene	ND	ug/kg	190	184	1	11/01/13 20:31	11/13/13 00:19	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(8-10)-103113 **Lab ID: 5089243010** Collected: 10/31/13 14:20 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	207-08-9	
Benzyl alcohol	ND	ug/kg	737	368	1	11/01/13 20:31	11/13/13 00:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	101-55-3	
Butylbenzylphthalate	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	737	368	1	11/01/13 20:31	11/13/13 00:19	59-50-7	
4-Chloroaniline	ND	ug/kg	737	368	1	11/01/13 20:31	11/13/13 00:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	108-60-1	
2-Chloronaphthalene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	91-58-7	
2-Chlorophenol	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	7005-72-3	
Chrysene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	190	184	1	11/01/13 20:31	11/13/13 00:19	53-70-3	
Dibenzofuran	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	120-83-2	
Diethylphthalate	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	105-67-9	
Dimethylphthalate	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	131-11-3	
Di-n-butylphthalate	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1790	893	1	11/01/13 20:31	11/13/13 00:19	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1790	1790	1	11/01/13 20:31	11/13/13 00:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	606-20-2	
Di-n-octylphthalate	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	117-81-7	
Fluoranthene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	206-44-0	
Fluorene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	368	368	1	11/01/13 20:31	11/13/13 00:19	77-47-4	
Hexachloroethane	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	193-39-5	
Isophorone	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	78-59-1	
2-Methylnaphthalene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	737	368	1	11/01/13 20:31	11/13/13 00:19		
Naphthalene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	91-20-3	
2-Nitroaniline	ND	ug/kg	1790	893	1	11/01/13 20:31	11/13/13 00:19	88-74-4	
3-Nitroaniline	ND	ug/kg	1790	893	1	11/01/13 20:31	11/13/13 00:19	99-09-2	
4-Nitroaniline	ND	ug/kg	1790	893	1	11/01/13 20:31	11/13/13 00:19	100-01-6	
Nitrobenzene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	98-95-3	
2-Nitrophenol	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	88-75-5	
4-Nitrophenol	ND	ug/kg	1790	893	1	11/01/13 20:31	11/13/13 00:19	100-02-7	

REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB11(8-10)-103113 **Lab ID: 5089243010** Collected: 10/31/13 14:20 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	86-30-6	
Phenanthrene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	85-01-8	
Phenol	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	108-95-2	
Pyrene	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	368	184	1	11/01/13 20:31	11/13/13 00:19	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	64	%.	28-101		1	11/01/13 20:31	11/13/13 00:19	4165-60-0	
2-Fluorobiphenyl (S)	65	%.	31-94		1	11/01/13 20:31	11/13/13 00:19	321-60-8	
p-Terphenyl-d14 (S)	83	%.	26-110		1	11/01/13 20:31	11/13/13 00:19	1718-51-0	
Phenol-d5 (S)	70	%.	28-101		1	11/01/13 20:31	11/13/13 00:19	4165-62-2	
2-Fluorophenol (S)	72	%.	24-104		1	11/01/13 20:31	11/13/13 00:19	367-12-4	
2,4,6-Tribromophenol (S)	77	%.	16-122		1	11/01/13 20:31	11/13/13 00:19	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.3**	%	0.10	0.10	1		11/01/13 15:08		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB10(0-2)-103113 **Lab ID: 5089243011** Collected: 10/31/13 14:45 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**564J**	mg/kg	589	147	5	11/01/13 20:31	11/04/13 14:57		
TPH (C10-C20)	ND	mg/kg	294	147	5	11/01/13 20:31	11/04/13 14:57		
TPH (C20-C34)	**492**	mg/kg	294	147	5	11/01/13 20:31	11/04/13 14:57		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		5	11/01/13 20:31	11/04/13 14:57	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1170	587	10	11/01/13 20:31	11/07/13 17:36	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1170	587	10	11/01/13 20:31	11/07/13 17:36	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1170	587	10	11/01/13 20:31	11/07/13 17:36	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1170	587	10	11/01/13 20:31	11/07/13 17:36	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1170	587	10	11/01/13 20:31	11/07/13 17:36	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1170	587	10	11/01/13 20:31	11/07/13 17:36	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1170	587	10	11/01/13 20:31	11/07/13 17:36	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/01/13 20:31	11/07/13 17:36	877-09-8	S4
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.3	0.66	1		11/07/13 21:11		
Surrogates									
4-Bromofluorobenzene (S)	100	%.	38-163		1		11/07/13 21:11	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11400**	mg/kg	55.7	27.9	1	11/04/13 09:24	11/05/13 08:49	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-36-0	
Arsenic	**11.0**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-38-2	
Barium	**206**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-39-3	
Beryllium	**1.0**	mg/kg	0.56	0.28	1	11/04/13 09:24	11/05/13 08:49	7440-41-7	
Cadmium	ND	mg/kg	2.2	0.56	1	11/04/13 09:24	11/05/13 08:49	7440-43-9	
Chromium	**12.7**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-47-3	
Cobalt	**4.7**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-48-4	
Copper	**22.1**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-50-8	
Lead	**34.2**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7439-92-1	
Nickel	**15.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-22-4	
Thallium	ND	mg/kg	11.1	5.6	5	11/04/13 09:24	11/05/13 10:21	7440-28-0	D3
Vanadium	**16.3**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-62-2	
Zinc	**115**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:49	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	0.20	1	11/06/13 11:10	11/07/13 14:38	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB10(0-2)-103113 **Lab ID: 5089243011** Collected: 10/31/13 14:45 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	83-32-9	
Acenaphthylene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	208-96-8	
Anthracene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	10000	9750	10	11/01/13 20:31	11/13/13 00:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	207-08-9	
Benzyl alcohol	ND	ug/kg	39000	19500	10	11/01/13 20:31	11/13/13 00:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	101-55-3	
Butylbenzylphthalate	**330000**	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	39000	19500	10	11/01/13 20:31	11/13/13 00:39	59-50-7	
4-Chloroaniline	ND	ug/kg	39000	19500	10	11/01/13 20:31	11/13/13 00:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	108-60-1	
2-Chloronaphthalene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	91-58-7	
2-Chlorophenol	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	7005-72-3	
Chrysene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	10000	9750	10	11/01/13 20:31	11/13/13 00:39	53-70-3	
Dibenzofuran	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	120-83-2	
Diethylphthalate	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	105-67-9	
Dimethylphthalate	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	131-11-3	
Di-n-butylphthalate	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	94500	47300	10	11/01/13 20:31	11/13/13 00:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	94500	94500	10	11/01/13 20:31	11/13/13 00:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	117-81-7	
Fluoranthene	**9790J**	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	206-44-0	
Fluorene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	19500	19500	10	11/01/13 20:31	11/13/13 00:39	77-47-4	
Hexachloroethane	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	193-39-5	
Isophorone	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	78-59-1	
2-Methylnaphthalene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	39000	19500	10	11/01/13 20:31	11/13/13 00:39		
Naphthalene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	91-20-3	
2-Nitroaniline	ND	ug/kg	94500	47300	10	11/01/13 20:31	11/13/13 00:39	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB10(0-2)-103113 **Lab ID: 5089243011** Collected: 10/31/13 14:45 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	94500	47300	10	11/01/13 20:31	11/13/13 00:39	99-09-2	
4-Nitroaniline	ND	ug/kg	94500	47300	10	11/01/13 20:31	11/13/13 00:39	100-01-6	
Nitrobenzene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	98-95-3	
2-Nitrophenol	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	88-75-5	
4-Nitrophenol	ND	ug/kg	94500	47300	10	11/01/13 20:31	11/13/13 00:39	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	86-30-6	
Phenanthrene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	85-01-8	
Phenol	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	108-95-2	1d
Pyrene	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	19500	9750	10	11/01/13 20:31	11/13/13 00:39	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%.	28-101		10	11/01/13 20:31	11/13/13 00:39	4165-60-0	
2-Fluorobiphenyl (S)	77	%.	31-94		10	11/01/13 20:31	11/13/13 00:39	321-60-8	
p-Terphenyl-d14 (S)	87	%.	26-110		10	11/01/13 20:31	11/13/13 00:39	1718-51-0	
Phenol-d5 (S)	71	%.	28-101		10	11/01/13 20:31	11/13/13 00:39	4165-62-2	
2-Fluorophenol (S)	76	%.	24-104		10	11/01/13 20:31	11/13/13 00:39	367-12-4	
2,4,6-Tribromophenol (S)	76	%.	16-122		10	11/01/13 20:31	11/13/13 00:39	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.12	0.060	1		11/11/13 19:27	67-64-1	
Acrolein	ND	mg/kg	0.12	0.060	1		11/11/13 19:27	107-02-8	
Benzene	ND	mg/kg	0.0060	0.0012	1		11/11/13 19:27	71-43-2	
Bromobenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	108-86-1	
Bromochloromethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-27-4	
Bromoform	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-25-2	
Bromomethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.030	0.014	1		11/11/13 19:27	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	98-06-6	
Carbon disulfide	ND	mg/kg	0.012	0.0030	1		11/11/13 19:27	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	56-23-5	
Chlorobenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	108-90-7	
Chloroethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-00-3	
Chloroform	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	67-66-3	
Chloromethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	124-48-1	
Dibromomethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB10(0-2)-103113 **Lab ID: 5089243011** Collected: 10/31/13 14:45 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.12	0.060	1		11/11/13 19:27	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0060	0.0012	1		11/11/13 19:27	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.12	0.060	1		11/11/13 19:27	97-63-2	
n-Hexane	**0.0050J**	mg/kg	0.0060	0.0030	1		11/11/13 19:27	110-54-3	N2
2-Hexanone	ND	mg/kg	0.12	0.060	1		11/11/13 19:27	591-78-6	
Iodomethane	ND	mg/kg	0.12	0.060	1		11/11/13 19:27	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	99-87-6	
Methylene Chloride	ND	mg/kg	0.024	0.012	1		11/11/13 19:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.030	0.014	1		11/11/13 19:27	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	103-65-1	
Styrene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0060	0.0012	1		11/11/13 19:27	127-18-4	
Toluene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	79-00-5	
Trichloroethene	ND	mg/kg	0.0060	0.0012	1		11/11/13 19:27	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-69-4	
1,2,4-Trimethylbenzene	**0.0051J**	mg/kg	0.0060	0.0030	1		11/11/13 19:27	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	108-67-8	
Vinyl acetate	ND	mg/kg	0.12	0.060	1		11/11/13 19:27	108-05-4	
Vinyl chloride	ND	mg/kg	0.0060	0.0030	1		11/11/13 19:27	75-01-4	
Xylene (Total)	ND	mg/kg	0.012	0.0060	1		11/11/13 19:27	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	100	%.	85-118		1		11/11/13 19:27	1868-53-7	
Toluene-d8 (S)	101	%.	71-128		1		11/11/13 19:27	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Sample: FAW-SB10(0-2)-103113 **Lab ID: 5089243011** Collected: 10/31/13 14:45 Received: 10/31/13 15:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	97	%.	56-144		1		11/11/13 19:27	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.4**	%	0.10	0.10	1		11/01/13 15:09		

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

QC Batch: GCV/17349 Analysis Method: EPA 8015 Mod Pur
QC Batch Method: EPA 8015 Mod Pur Analysis Description: 8015 GRO 5035
Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243009, 5089243011

METHOD BLANK: 1008840 Matrix: Solid
Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243009, 5089243011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C12)	mg/kg	ND	1.0	11/07/13 11:55	
4-Bromofluorobenzene (S)	%.	99	38-163	11/07/13 11:55	

LABORATORY CONTROL SAMPLE: 1008841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C12)	mg/kg	10	10.0	100	75-139	
4-Bromofluorobenzene (S)	%.			101	38-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1008842 1008843

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C06-C12)	mg/kg	ND	8.5	8.8	7.5	7.9	88	89	10-151	5	20	
4-Bromofluorobenzene (S)	%.						118	124	38-163		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

QC Batch: MERP/5010 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243005, 5089243006, 5089243007, 5089243008, 5089243009, 5089243010, 5089243011

METHOD BLANK: 1006752 Matrix: Solid
Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243005, 5089243006, 5089243007, 5089243008, 5089243009, 5089243010, 5089243011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.20	11/07/13 13:57	

LABORATORY CONTROL SAMPLE: 1006753

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.52	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006754 1006755

Parameter	Units	5089181003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	.61	.59	0.63	0.58	97	93	75-125	8	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

QC Batch: MPRP/12371 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243005, 5089243006, 5089243007, 5089243008, 5089243009, 5089243010, 5089243011

METHOD BLANK: 1006885 Matrix: Solid
Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243005, 5089243006, 5089243007, 5089243008, 5089243009, 5089243010, 5089243011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	50.0	11/05/13 08:18	
Antimony	mg/kg	ND	2.0	11/05/13 08:18	
Arsenic	mg/kg	ND	2.0	11/05/13 08:18	
Barium	mg/kg	ND	2.0	11/05/13 08:18	
Beryllium	mg/kg	ND	0.50	11/05/13 08:18	
Cadmium	mg/kg	ND	2.0	11/05/13 08:18	
Chromium	mg/kg	ND	2.0	11/05/13 08:18	
Cobalt	mg/kg	ND	2.0	11/05/13 08:18	
Copper	mg/kg	ND	2.0	11/05/13 08:18	
Lead	mg/kg	ND	2.0	11/05/13 08:18	
Nickel	mg/kg	ND	2.0	11/05/13 08:18	
Selenium	mg/kg	ND	2.0	11/05/13 08:18	
Silver	mg/kg	ND	2.0	11/05/13 08:18	
Thallium	mg/kg	ND	2.0	11/05/13 08:18	
Vanadium	mg/kg	ND	2.0	11/05/13 08:18	
Zinc	mg/kg	ND	2.0	11/05/13 08:18	

LABORATORY CONTROL SAMPLE: 1006886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	512	102	80-120	
Antimony	mg/kg	50	51.6	103	80-120	
Arsenic	mg/kg	50	51.6	103	80-120	
Barium	mg/kg	50	52.0	104	80-120	
Beryllium	mg/kg	50	50.4	101	80-120	
Cadmium	mg/kg	50	50.2	100	80-120	
Chromium	mg/kg	50	51.2	102	80-120	
Cobalt	mg/kg	50	50.7	101	80-120	
Copper	mg/kg	50	50.4	101	80-120	
Lead	mg/kg	50	50.1	100	80-120	
Nickel	mg/kg	50	51.5	103	80-120	
Selenium	mg/kg	50	49.9	100	80-120	
Silver	mg/kg	25	25.5	102	80-120	
Thallium	mg/kg	50	49.7	99	80-120	
Vanadium	mg/kg	50	52.2	104	80-120	
Zinc	mg/kg	50	49.9	100	80-120	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006887 1006888

Parameter	Units	5089280002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/kg	10300	549	539	14000	10400	673	7	75-125	30	20	4d,P6
Antimony	mg/kg	ND	54.9	53.9	17.3	18.7	31	35	75-125	8	20	M3
Arsenic	mg/kg	12.6	54.9	53.9	65.4	63.0	96	93	75-125	4	20	
Barium	mg/kg	68.5	54.9	53.9	137	109	125	76	75-125	23	20	4d
Beryllium	mg/kg	0.67	54.9	53.9	50.1	54.6	90	100	75-125	9	20	
Cadmium	mg/kg	ND	54.9	53.9	51.5	51.9	93	96	75-125	1	20	
Chromium	mg/kg	28.2	54.9	53.9	88.3	86.5	109	108	75-125	2	20	
Cobalt	mg/kg	10.8	54.9	53.9	62.3	56.2	94	84	75-125	10	20	
Copper	mg/kg	41.3	54.9	53.9	90.0	83.3	89	78	75-125	8	20	
Lead	mg/kg	117	54.9	53.9	163	144	84	49	75-125	13	20	M0
Nickel	mg/kg	26.3	54.9	53.9	75.2	67.4	89	76	75-125	11	20	
Selenium	mg/kg	ND	54.9	53.9	48.4	50.5	88	94	75-125	4	20	
Silver	mg/kg	ND	27.4	27	25.4	27.3	93	101	75-125	7	20	
Thallium	mg/kg	ND	54.9	53.9	43.4	46.4	79	86	75-125	7	20	
Vanadium	mg/kg	18.1	54.9	53.9	76.6	70.4	106	97	75-125	8	20	
Zinc	mg/kg	117	54.9	53.9	184	137	122	39	75-125	29	20	4d,M0

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

QC Batch: MSV/59136 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5089243001

METHOD BLANK: 1010002 Matrix: Water
Associated Lab Samples: 5089243001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/08/13 13:37	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/08/13 13:37	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/08/13 13:37	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/08/13 13:37	
1,1-Dichloroethane	ug/L	ND	5.0	11/08/13 13:37	
1,1-Dichloroethene	ug/L	ND	5.0	11/08/13 13:37	
1,1-Dichloropropene	ug/L	ND	5.0	11/08/13 13:37	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/08/13 13:37	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/08/13 13:37	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/08/13 13:37	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/08/13 13:37	
1,2-Dichloroethane	ug/L	ND	5.0	11/08/13 13:37	
1,2-Dichloropropane	ug/L	ND	5.0	11/08/13 13:37	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/08/13 13:37	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/08/13 13:37	
1,3-Dichloropropane	ug/L	ND	5.0	11/08/13 13:37	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/08/13 13:37	
2,2-Dichloropropane	ug/L	ND	5.0	11/08/13 13:37	
2-Butanone (MEK)	ug/L	ND	25.0	11/08/13 13:37	
2-Chlorotoluene	ug/L	ND	5.0	11/08/13 13:37	
2-Hexanone	ug/L	ND	25.0	11/08/13 13:37	
4-Chlorotoluene	ug/L	ND	5.0	11/08/13 13:37	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/08/13 13:37	
Acetone	ug/L	ND	100	11/08/13 13:37	
Acrolein	ug/L	ND	50.0	11/08/13 13:37	
Benzene	ug/L	ND	5.0	11/08/13 13:37	
Bromobenzene	ug/L	ND	5.0	11/08/13 13:37	
Bromochloromethane	ug/L	ND	5.0	11/08/13 13:37	
Bromodichloromethane	ug/L	ND	5.0	11/08/13 13:37	
Bromoform	ug/L	ND	5.0	11/08/13 13:37	
Bromomethane	ug/L	ND	5.0	11/08/13 13:37	
Carbon disulfide	ug/L	ND	10.0	11/08/13 13:37	
Carbon tetrachloride	ug/L	ND	5.0	11/08/13 13:37	
Chlorobenzene	ug/L	ND	5.0	11/08/13 13:37	
Chloroethane	ug/L	ND	5.0	11/08/13 13:37	
Chloroform	ug/L	ND	5.0	11/08/13 13:37	
Chloromethane	ug/L	ND	5.0	11/08/13 13:37	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/08/13 13:37	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/08/13 13:37	
Dibromochloromethane	ug/L	ND	5.0	11/08/13 13:37	
Dibromomethane	ug/L	ND	5.0	11/08/13 13:37	
Dichlorodifluoromethane	ug/L	ND	5.0	11/08/13 13:37	
Ethyl methacrylate	ug/L	ND	100	11/08/13 13:37	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

METHOD BLANK: 1010002 Matrix: Water

Associated Lab Samples: 5089243001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	5.0	11/08/13 13:37	
Iodomethane	ug/L	ND	10.0	11/08/13 13:37	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/08/13 13:37	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/08/13 13:37	
Methylene Chloride	ug/L	ND	5.0	11/08/13 13:37	
n-Butylbenzene	ug/L	ND	5.0	11/08/13 13:37	
n-Hexane	ug/L	ND	5.0	11/08/13 13:37	N2
n-Propylbenzene	ug/L	ND	5.0	11/08/13 13:37	
p-Isopropyltoluene	ug/L	ND	5.0	11/08/13 13:37	
sec-Butylbenzene	ug/L	ND	5.0	11/08/13 13:37	
Styrene	ug/L	ND	5.0	11/08/13 13:37	
tert-Butylbenzene	ug/L	ND	5.0	11/08/13 13:37	
Tetrachloroethene	ug/L	ND	5.0	11/08/13 13:37	
Toluene	ug/L	ND	5.0	11/08/13 13:37	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/08/13 13:37	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/08/13 13:37	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/08/13 13:37	
Trichloroethene	ug/L	ND	5.0	11/08/13 13:37	
Trichlorofluoromethane	ug/L	ND	5.0	11/08/13 13:37	
Vinyl acetate	ug/L	ND	50.0	11/08/13 13:37	
Vinyl chloride	ug/L	ND	2.0	11/08/13 13:37	
Xylene (Total)	ug/L	ND	10.0	11/08/13 13:37	
4-Bromofluorobenzene (S)	%.	98	80-114	11/08/13 13:37	
Dibromofluoromethane (S)	%.	108	79-116	11/08/13 13:37	
Toluene-d8 (S)	%.	93	81-110	11/08/13 13:37	

LABORATORY CONTROL SAMPLE: 1010003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	44.9	90	61-135	
1,1,1-Trichloroethane	ug/L	50	54.1	108	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	54.0	108	66-126	
1,1,2-Trichloroethane	ug/L	50	51.4	103	77-130	
1,1-Dichloroethane	ug/L	50	47.7	95	75-130	
1,1-Dichloroethene	ug/L	50	49.5	99	68-127	
1,1-Dichloropropene	ug/L	50	52.4	105	78-130	
1,2,3-Trichlorobenzene	ug/L	50	48.5	97	70-130	
1,2,4-Trichlorobenzene	ug/L	50	50.6	101	68-131	
1,2,4-Trimethylbenzene	ug/L	50	50.1	100	69-127	
1,2-Dichlorobenzene	ug/L	50	51.4	103	75-123	
1,2-Dichloroethane	ug/L	50	47.1	94	75-128	
1,2-Dichloropropane	ug/L	50	52.9	106	74-121	
1,3,5-Trimethylbenzene	ug/L	50	54.3	109	70-126	
1,3-Dichlorobenzene	ug/L	50	53.2	106	74-122	
1,3-Dichloropropane	ug/L	50	55.5	111	74-123	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

LABORATORY CONTROL SAMPLE: 1010003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	51.4	103	76-120	
2,2-Dichloropropane	ug/L	50	58.2	116	50-137	
2-Butanone (MEK)	ug/L	250	288	115	58-139	
2-Chlorotoluene	ug/L	50	52.5	105	74-122	
2-Hexanone	ug/L	250	268	107	54-140	
4-Chlorotoluene	ug/L	50	56.1	112	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	256	102	58-138	
Acetone	ug/L	250	330	132	49-150	
Acrolein	ug/L	1000	978	98	41-200	
Benzene	ug/L	50	48.8	98	74-122	
Bromobenzene	ug/L	50	48.7	97	72-127	
Bromochloromethane	ug/L	50	43.6	87	63-132	
Bromodichloromethane	ug/L	50	55.0	110	62-136	
Bromoform	ug/L	50	46.8	94	44-134	
Bromomethane	ug/L	50	50.4	101	22-181	
Carbon disulfide	ug/L	100	104	104	59-132	
Carbon tetrachloride	ug/L	50	45.8	92	56-137	
Chlorobenzene	ug/L	50	48.5	97	78-123	
Chloroethane	ug/L	50	54.4	109	60-144	
Chloroform	ug/L	50	48.5	97	78-126	
Chloromethane	ug/L	50	47.0	94	42-134	
cis-1,2-Dichloroethene	ug/L	50	48.7	97	75-122	
cis-1,3-Dichloropropene	ug/L	50	46.5	93	64-126	
Dibromochloromethane	ug/L	50	46.6	93	58-128	
Dibromomethane	ug/L	50	50.0	100	73-125	
Dichlorodifluoromethane	ug/L	50	41.9	84	35-181	
Ethyl methacrylate	ug/L	200	204	102	69-133	
Ethylbenzene	ug/L	50	51.5	103	66-133	
Iodomethane	ug/L	100	89.4	89	21-170	
Isopropylbenzene (Cumene)	ug/L	50	57.5	115	69-124	
Methyl-tert-butyl ether	ug/L	100	115	115	69-122	
Methylene Chloride	ug/L	50	50.8	102	68-132	
n-Butylbenzene	ug/L	50	50.1	100	70-126	
n-Hexane	ug/L	50	53.8	108	51-125	N2
n-Propylbenzene	ug/L	50	54.5	109	71-122	
p-Isopropyltoluene	ug/L	50	50.8	102	72-132	
sec-Butylbenzene	ug/L	50	56.2	112	70-128	
Styrene	ug/L	50	56.3	113	74-126	
tert-Butylbenzene	ug/L	50	45.9	92	51-118	
Tetrachloroethene	ug/L	50	52.4	105	69-130	
Toluene	ug/L	50	48.7	97	72-122	
trans-1,2-Dichloroethene	ug/L	50	49.0	98	72-124	
trans-1,3-Dichloropropene	ug/L	50	47.2	94	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	205	102	56-133	
Trichloroethene	ug/L	50	48.8	98	76-126	
Trichlorofluoromethane	ug/L	50	47.5	95	76-149	
Vinyl acetate	ug/L	200	235	118	45-151	
Vinyl chloride	ug/L	50	50.3	101	59-126	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

LABORATORY CONTROL SAMPLE: 1010003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	161	108	70-124	
4-Bromofluorobenzene (S)	%.			98	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			98	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010004 1010005

Parameter	Units	5089135001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	42.2	44.6	84	89	50-132	6	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	55.7	58.4	111	117	60-138	5	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	47.9	49.4	96	99	55-128	3	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	48.5	48.2	97	96	61-139	1	20	
1,1-Dichloroethane	ug/L	ND	50	50	51.6	50.2	103	100	57-147	3	20	
1,1-Dichloroethene	ug/L	ND	50	50	53.6	53.0	107	106	55-145	1	20	
1,1-Dichloropropene	ug/L	ND	50	50	56.2	53.5	112	107	55-147	5	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	41.3	42.4	83	85	31-141	3	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	43.0	44.4	86	89	25-143	3	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	47.3	47.4	95	95	18-149	0	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	48.5	48.7	97	97	38-136	0	20	
1,2-Dichloroethane	ug/L	ND	50	50	48.2	47.8	96	96	62-138	1	20	
1,2-Dichloropropane	ug/L	ND	50	50	56.1	56.0	112	112	59-130	0	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	51.9	51.7	104	103	20-147	0	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	48.5	49.8	97	100	28-141	3	20	
1,3-Dichloropropane	ug/L	ND	50	50	53.4	53.7	107	107	62-127	1	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	47.3	47.5	95	95	30-139	0	20	
2,2-Dichloropropane	ug/L	ND	50	50	32.8	36.4	66	73	37-139	11	20	
2-Butanone (MEK)	ug/L	ND	250	250	259	254	104	102	37-156	2	20	
2-Chlorotoluene	ug/L	ND	50	50	50.3	50.8	101	102	27-142	1	20	
2-Hexanone	ug/L	ND	250	250	230	239	92	96	44-143	4	20	
4-Chlorotoluene	ug/L	ND	50	50	53.0	53.0	106	106	27-144	0	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	228	233	91	93	46-144	2	20	
Acetone	ug/L	ND	250	250	287	292	115	117	39-156	2	20	
Acrolein	ug/L	ND	1000	1000	862	846	86	85	33-200	2	20	
Benzene	ug/L	ND	50	50	50.3	49.6	101	99	62-129	1	20	
Bromobenzene	ug/L	ND	50	50	47.4	47.7	95	95	39-140	1	20	
Bromochloromethane	ug/L	ND	50	50	47.3	45.9	95	92	49-142	3	20	
Bromodichloromethane	ug/L	ND	50	50	56.4	56.6	113	113	50-142	0	20	
Bromoform	ug/L	ND	50	50	40.8	44.7	82	89	36-125	9	20	
Bromomethane	ug/L	ND	50	50	60.9	62.4	122	125	13-179	2	20	
Carbon disulfide	ug/L	ND	100	100	114	112	114	112	45-142	2	20	
Carbon tetrachloride	ug/L	ND	50	50	44.5	46.8	89	94	46-142	5	20	
Chlorobenzene	ug/L	ND	50	50	48.9	48.5	98	97	49-136	1	20	
Chloroethane	ug/L	ND	50	50	62.8	58.2	126	116	47-160	8	20	
Chloroform	ug/L	ND	50	50	51.5	50.1	103	100	54-150	3	20	
Chloromethane	ug/L	ND	50	50	55.1	54.2	110	108	30-148	2	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	50.8	48.6	102	97	60-135	4	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010004 1010005

Parameter	Units	5089135001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	ug/L	ND	50	50	39.2	41.0	78	82	52-123	5	20	
Dibromochloromethane	ug/L	ND	50	50	43.4	45.7	87	91	48-125	5	20	
Dibromomethane	ug/L	ND	50	50	52.1	49.8	104	100	59-134	5	20	
Dichlorodifluoromethane	ug/L	ND	50	50	49.2	46.3	98	93	24-197	6	20	
Ethyl methacrylate	ug/L	ND	200	200	189	196	94	98	55-139	4	20	
Ethylbenzene	ug/L	ND	50	50	51.7	53.0	103	106	28-153	3	20	
Iodomethane	ug/L	ND	100	100	98.2	105	98	105	17-157	7	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	57.1	56.9	114	114	18-152	0	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	111	114	111	114	63-130	2	20	
Methylene Chloride	ug/L	ND	50	50	53.8	52.2	108	104	45-156	3	20	
n-Butylbenzene	ug/L	ND	50	50	44.1	44.7	88	89	10-161	2	20	
n-Hexane	ug/L	ND	50	50	48.9	45.9	98	92	33-144	6	20	N2
n-Propylbenzene	ug/L	ND	50	50	52.0	51.6	104	103	16-150	1	20	
p-Isopropyltoluene	ug/L	ND	50	50	46.9	47.2	94	94	10-163	1	20	
sec-Butylbenzene	ug/L	ND	50	50	52.2	53.5	104	107	10-160	2	20	
Styrene	ug/L	ND	50	50	55.5	56.5	111	113	36-139	2	20	
tert-Butylbenzene	ug/L	ND	50	50	44.0	45.1	88	90	12-134	3	20	
Tetrachloroethene	ug/L	ND	50	50	50.6	50.3	101	101	33-151	1	20	
Toluene	ug/L	ND	50	50	49.2	48.7	98	97	50-132	1	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	52.9	51.0	106	102	40-153	4	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	39.3	42.4	79	85	48-122	8	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	149	162	75	81	32-139	8	20	
Trichloroethene	ug/L	ND	50	50	50.8	48.5	102	97	50-143	5	20	
Trichlorofluoromethane	ug/L	ND	50	50	52.6	50.0	105	100	60-175	5	20	
Vinyl acetate	ug/L	ND	200	200	125	130	62	65	17-142	4	20	
Vinyl chloride	ug/L	ND	50	50	57.6	55.8	115	112	44-145	3	20	
Xylene (Total)	ug/L	ND	150	150	160	159	107	106	29-145	0	20	
4-Bromofluorobenzene (S)	%.						100	101	80-114			
Dibromofluoromethane (S)	%.						101	102	79-116			
Toluene-d8 (S)	%.						96	98	81-110			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

QC Batch: MSV/59181 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243009, 5089243011

METHOD BLANK: 1010763 Matrix: Solid
Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243009, 5089243011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	11/11/13 13:33	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	11/11/13 13:33	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	11/11/13 13:33	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	11/11/13 13:33	
1,1-Dichloroethane	mg/kg	ND	0.0050	11/11/13 13:33	
1,1-Dichloroethene	mg/kg	ND	0.0050	11/11/13 13:33	
1,1-Dichloropropene	mg/kg	ND	0.0050	11/11/13 13:33	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	11/11/13 13:33	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	11/11/13 13:33	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	11/11/13 13:33	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	11/11/13 13:33	
1,2-Dichloroethane	mg/kg	ND	0.0050	11/11/13 13:33	
1,2-Dichloropropane	mg/kg	ND	0.0050	11/11/13 13:33	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	11/11/13 13:33	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	11/11/13 13:33	
1,3-Dichloropropane	mg/kg	ND	0.0050	11/11/13 13:33	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	11/11/13 13:33	
2,2-Dichloropropane	mg/kg	ND	0.0050	11/11/13 13:33	
2-Butanone (MEK)	mg/kg	ND	0.025	11/11/13 13:33	
2-Chlorotoluene	mg/kg	ND	0.0050	11/11/13 13:33	
2-Hexanone	mg/kg	ND	0.10	11/11/13 13:33	
4-Chlorotoluene	mg/kg	ND	0.0050	11/11/13 13:33	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	11/11/13 13:33	
Acetone	mg/kg	ND	0.10	11/11/13 13:33	
Acrolein	mg/kg	ND	0.10	11/11/13 13:33	
Benzene	mg/kg	ND	0.0050	11/11/13 13:33	
Bromobenzene	mg/kg	ND	0.0050	11/11/13 13:33	
Bromochloromethane	mg/kg	ND	0.0050	11/11/13 13:33	
Bromodichloromethane	mg/kg	ND	0.0050	11/11/13 13:33	
Bromoform	mg/kg	ND	0.0050	11/11/13 13:33	
Bromomethane	mg/kg	ND	0.0050	11/11/13 13:33	
Carbon disulfide	mg/kg	ND	0.010	11/11/13 13:33	
Carbon tetrachloride	mg/kg	ND	0.0050	11/11/13 13:33	
Chlorobenzene	mg/kg	ND	0.0050	11/11/13 13:33	
Chloroethane	mg/kg	ND	0.0050	11/11/13 13:33	
Chloroform	mg/kg	ND	0.0050	11/11/13 13:33	
Chloromethane	mg/kg	ND	0.0050	11/11/13 13:33	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	11/11/13 13:33	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	11/11/13 13:33	
Dibromochloromethane	mg/kg	ND	0.0050	11/11/13 13:33	
Dibromomethane	mg/kg	ND	0.0050	11/11/13 13:33	
Dichlorodifluoromethane	mg/kg	ND	0.0050	11/11/13 13:33	
Ethyl methacrylate	mg/kg	ND	0.10	11/11/13 13:33	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

METHOD BLANK: 1010763 Matrix: Solid

Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243009, 5089243011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/kg	ND	0.0050	11/11/13 13:33	
Iodomethane	mg/kg	ND	0.10	11/11/13 13:33	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	11/11/13 13:33	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	11/11/13 13:33	
Methylene Chloride	mg/kg	ND	0.020	11/11/13 13:33	
n-Butylbenzene	mg/kg	ND	0.0050	11/11/13 13:33	
n-Hexane	mg/kg	ND	0.0050	11/11/13 13:33	N2
n-Propylbenzene	mg/kg	ND	0.0050	11/11/13 13:33	
p-Isopropyltoluene	mg/kg	ND	0.0050	11/11/13 13:33	
sec-Butylbenzene	mg/kg	ND	0.0050	11/11/13 13:33	
Styrene	mg/kg	ND	0.0050	11/11/13 13:33	
tert-Butylbenzene	mg/kg	ND	0.0050	11/11/13 13:33	
Tetrachloroethene	mg/kg	ND	0.0050	11/11/13 13:33	
Toluene	mg/kg	ND	0.0050	11/11/13 13:33	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	11/11/13 13:33	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	11/11/13 13:33	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	11/11/13 13:33	
Trichloroethene	mg/kg	ND	0.0050	11/11/13 13:33	
Trichlorofluoromethane	mg/kg	ND	0.0050	11/11/13 13:33	
Vinyl acetate	mg/kg	ND	0.10	11/11/13 13:33	
Vinyl chloride	mg/kg	ND	0.0050	11/11/13 13:33	
Xylene (Total)	mg/kg	ND	0.010	11/11/13 13:33	
4-Bromofluorobenzene (S)	%.	98	56-144	11/11/13 13:33	
Dibromofluoromethane (S)	%.	101	85-118	11/11/13 13:33	
Toluene-d8 (S)	%.	99	71-128	11/11/13 13:33	

LABORATORY CONTROL SAMPLE: 1010764

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.05	0.044	89	62-123	
1,1,1-Trichloroethane	mg/kg	.05	0.055	109	70-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.044	88	65-124	
1,1,2-Trichloroethane	mg/kg	.05	0.050	101	74-129	
1,1-Dichloroethane	mg/kg	.05	0.049	98	73-130	
1,1-Dichloroethene	mg/kg	.05	0.051	102	66-126	
1,1-Dichloropropene	mg/kg	.05	0.056	112	78-125	
1,2,3-Trichlorobenzene	mg/kg	.05	0.048	95	66-131	
1,2,4-Trichlorobenzene	mg/kg	.05	0.050	100	68-129	
1,2,4-Trimethylbenzene	mg/kg	.05	0.048	97	67-126	
1,2-Dichlorobenzene	mg/kg	.05	0.048	96	73-122	
1,2-Dichloroethane	mg/kg	.05	0.047	95	73-127	
1,2-Dichloropropane	mg/kg	.05	0.051	102	75-118	
1,3,5-Trimethylbenzene	mg/kg	.05	0.049	98	65-127	
1,3-Dichlorobenzene	mg/kg	.05	0.047	94	73-121	
1,3-Dichloropropane	mg/kg	.05	0.051	101	72-121	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

LABORATORY CONTROL SAMPLE: 1010764

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/kg	.05	0.048	96	75-119	
2,2-Dichloropropane	mg/kg	.05	0.054	107	63-122	
2-Butanone (MEK)	mg/kg	.25	0.28	113	59-139	
2-Chlorotoluene	mg/kg	.05	0.048	96	72-121	
2-Hexanone	mg/kg	.25	0.25	101	56-139	
4-Chlorotoluene	mg/kg	.05	0.051	102	75-123	
4-Methyl-2-pentanone (MIBK)	mg/kg	.25	0.22	89	63-136	
Acetone	mg/kg	.25	0.38	152	46-156	
Acrolein	mg/kg	1	1.3	134	47-200	
Benzene	mg/kg	.05	0.048	97	74-119	
Bromobenzene	mg/kg	.05	0.047	95	69-129	
Bromochloromethane	mg/kg	.05	0.036	72	67-129	
Bromodichloromethane	mg/kg	.05	0.047	93	68-121	
Bromoform	mg/kg	.05	0.044	88	49-124	
Bromomethane	mg/kg	.05	0.037	75	44-142	
Carbon disulfide	mg/kg	.1	0.10	100	61-129	
Carbon tetrachloride	mg/kg	.05	0.053	107	58-127	
Chlorobenzene	mg/kg	.05	0.050	99	77-122	
Chloroethane	mg/kg	.05	0.050	100	59-141	
Chloroform	mg/kg	.05	0.049	98	75-124	
Chloromethane	mg/kg	.05	0.033	65	46-133	
cis-1,2-Dichloroethene	mg/kg	.05	0.050	100	72-122	
cis-1,3-Dichloropropene	mg/kg	.05	0.047	94	68-115	
Dibromochloromethane	mg/kg	.05	0.049	98	60-121	
Dibromomethane	mg/kg	.05	0.047	95	72-124	
Dichlorodifluoromethane	mg/kg	.05	0.047	94	26-186	
Ethyl methacrylate	mg/kg	.2	0.18	88	63-130	
Ethylbenzene	mg/kg	.05	0.050	101	72-123	
Iodomethane	mg/kg	.1	0.076J	76	38-149	
Isopropylbenzene (Cumene)	mg/kg	.05	0.052	105	65-123	
Methyl-tert-butyl ether	mg/kg	.1	0.092	92	68-120	
Methylene Chloride	mg/kg	.05	0.061	122	57-142	
n-Butylbenzene	mg/kg	.05	0.049	99	68-125	
n-Hexane	mg/kg	.05	0.052	103	57-117	N2
n-Propylbenzene	mg/kg	.05	0.050	99	68-122	
p-Isopropyltoluene	mg/kg	.05	0.053	106	66-133	
sec-Butylbenzene	mg/kg	.05	0.051	102	64-131	
Styrene	mg/kg	.05	0.051	101	70-126	
tert-Butylbenzene	mg/kg	.05	0.044	89	46-124	
Tetrachloroethene	mg/kg	.05	0.055	109	72-126	
Toluene	mg/kg	.05	0.047	95	71-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.049	97	69-123	
trans-1,3-Dichloropropene	mg/kg	.05	0.049	97	66-114	
trans-1,4-Dichloro-2-butene	mg/kg	.2	0.21	106	61-124	
Trichloroethene	mg/kg	.05	0.051	102	74-123	
Trichlorofluoromethane	mg/kg	.05	0.055	109	72-146	
Vinyl acetate	mg/kg	.2	0.20	99	57-131	
Vinyl chloride	mg/kg	.05	0.049	98	55-128	

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(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

LABORATORY CONTROL SAMPLE: 1010764

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	mg/kg	.15	0.15	102	66-124	
4-Bromofluorobenzene (S)	%.			100	56-144	
Dibromofluoromethane (S)	%.			103	85-118	
Toluene-d8 (S)	%.			100	71-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

QC Batch: OEXT/34276 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 3546 Analysis Description: EPA 8015 TPH Ohio
Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243005, 5089243006, 5089243007, 5089243008, 5089243009, 5089243010, 5089243011

METHOD BLANK: 1006583 Matrix: Solid
Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243005, 5089243006, 5089243007, 5089243008, 5089243009, 5089243010, 5089243011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	ND	20.0	11/04/13 11:38	
TPH (C10-C20)	mg/kg	ND	10.0	11/04/13 11:38	
TPH (C20-C34)	mg/kg	ND	10.0	11/04/13 11:38	
n-Pentacosane (S)	%.	73	30-153	11/04/13 11:38	

LABORATORY CONTROL SAMPLE: 1006584

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	83.3	49.7	60	43-88	
n-Pentacosane (S)	%.			72	30-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006585 1006586

Parameter	Units	5089243002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/kg	727	95.9	95.5	732	854	5	133	10-136	15	20	M0
n-Pentacosane (S)	%.						0	0	30-153		20	S4

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

QC Batch: OEXT/34277 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243005, 5089243006, 5089243007, 5089243008, 5089243009, 5089243010, 5089243011

METHOD BLANK: 1006597 Matrix: Solid
Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243005, 5089243006, 5089243007, 5089243008, 5089243009, 5089243010, 5089243011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	100	11/05/13 17:18	
PCB-1221 (Aroclor 1221)	ug/kg	ND	100	11/05/13 17:18	
PCB-1232 (Aroclor 1232)	ug/kg	ND	100	11/05/13 17:18	
PCB-1242 (Aroclor 1242)	ug/kg	ND	100	11/05/13 17:18	
PCB-1248 (Aroclor 1248)	ug/kg	ND	100	11/05/13 17:18	
PCB-1254 (Aroclor 1254)	ug/kg	ND	100	11/05/13 17:18	
PCB-1260 (Aroclor 1260)	ug/kg	ND	100	11/05/13 17:18	
Tetrachloro-m-xylene (S)	%.	63	30-106	11/05/13 17:18	

LABORATORY CONTROL SAMPLE: 1006598

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	122	73	42-100	
PCB-1260 (Aroclor 1260)	ug/kg	167	111	67	40-106	
Tetrachloro-m-xylene (S)	%.			69	30-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006599 1006600

Parameter	Units	5089243003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	185	185	111	114	60	61	10-145	2	20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	185	185	106J	109J	57	59	16-132	2	20	
Tetrachloro-m-xylene (S)	%.						51	47	30-106		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

QC Batch: OEXT/34278 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243005, 5089243006, 5089243007, 5089243008, 5089243009, 5089243010, 5089243011

METHOD BLANK: 1006601 Matrix: Solid
Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243005, 5089243006, 5089243007, 5089243008, 5089243009, 5089243010, 5089243011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/kg	ND	330	11/12/13 21:00	
2,4,6-Trichlorophenol	ug/kg	ND	330	11/12/13 21:00	
2,4-Dichlorophenol	ug/kg	ND	330	11/12/13 21:00	
2,4-Dimethylphenol	ug/kg	ND	330	11/12/13 21:00	
2,4-Dinitrophenol	ug/kg	ND	1600	11/12/13 21:00	
2,4-Dinitrotoluene	ug/kg	ND	330	11/12/13 21:00	
2,6-Dinitrotoluene	ug/kg	ND	330	11/12/13 21:00	
2-Chloronaphthalene	ug/kg	ND	330	11/12/13 21:00	
2-Chlorophenol	ug/kg	ND	330	11/12/13 21:00	
2-Methylnaphthalene	ug/kg	ND	330	11/12/13 21:00	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	11/12/13 21:00	
2-Nitroaniline	ug/kg	ND	1600	11/12/13 21:00	
2-Nitrophenol	ug/kg	ND	330	11/12/13 21:00	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	660	11/12/13 21:00	
3-Nitroaniline	ug/kg	ND	1600	11/12/13 21:00	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1600	11/12/13 21:00	
4-Bromophenylphenyl ether	ug/kg	ND	330	11/12/13 21:00	
4-Chloro-3-methylphenol	ug/kg	ND	660	11/12/13 21:00	
4-Chloroaniline	ug/kg	ND	660	11/12/13 21:00	
4-Chlorophenylphenyl ether	ug/kg	ND	330	11/12/13 21:00	
4-Nitroaniline	ug/kg	ND	1600	11/12/13 21:00	
4-Nitrophenol	ug/kg	ND	1600	11/12/13 21:00	
Acenaphthene	ug/kg	ND	330	11/12/13 21:00	
Acenaphthylene	ug/kg	ND	330	11/12/13 21:00	
Anthracene	ug/kg	ND	330	11/12/13 21:00	
Benzo(a)anthracene	ug/kg	ND	330	11/12/13 21:00	
Benzo(a)pyrene	ug/kg	ND	170	11/12/13 21:00	
Benzo(b)fluoranthene	ug/kg	ND	330	11/12/13 21:00	
Benzo(g,h,i)perylene	ug/kg	ND	330	11/12/13 21:00	
Benzo(k)fluoranthene	ug/kg	ND	330	11/12/13 21:00	
Benzyl alcohol	ug/kg	ND	660	11/12/13 21:00	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	11/12/13 21:00	
bis(2-Chloroethyl) ether	ug/kg	ND	330	11/12/13 21:00	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	11/12/13 21:00	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	11/12/13 21:00	
Butylbenzylphthalate	ug/kg	ND	330	11/12/13 21:00	
Chrysene	ug/kg	ND	330	11/12/13 21:00	
Di-n-butylphthalate	ug/kg	ND	330	11/12/13 21:00	
Di-n-octylphthalate	ug/kg	ND	330	11/12/13 21:00	
Dibenz(a,h)anthracene	ug/kg	ND	170	11/12/13 21:00	
Dibenzofuran	ug/kg	ND	330	11/12/13 21:00	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

METHOD BLANK: 1006601 Matrix: Solid

Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243005, 5089243006, 5089243007, 5089243008, 5089243009, 5089243010, 5089243011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diethylphthalate	ug/kg	ND	330	11/12/13 21:00	
Dimethylphthalate	ug/kg	ND	330	11/12/13 21:00	
Fluoranthene	ug/kg	ND	330	11/12/13 21:00	
Fluorene	ug/kg	ND	330	11/12/13 21:00	
Hexachlorocyclopentadiene	ug/kg	ND	330	11/12/13 21:00	
Hexachloroethane	ug/kg	ND	330	11/12/13 21:00	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	11/12/13 21:00	
Isophorone	ug/kg	ND	330	11/12/13 21:00	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	11/12/13 21:00	
N-Nitrosodiphenylamine	ug/kg	ND	330	11/12/13 21:00	
Naphthalene	ug/kg	ND	330	11/12/13 21:00	
Nitrobenzene	ug/kg	ND	330	11/12/13 21:00	
Phenanthrene	ug/kg	ND	330	11/12/13 21:00	
Phenol	ug/kg	ND	330	11/12/13 21:00	
Pyrene	ug/kg	ND	330	11/12/13 21:00	
2,4,6-Tribromophenol (S)	%.	70	16-122	11/12/13 21:00	
2-Fluorobiphenyl (S)	%.	65	31-94	11/12/13 21:00	
2-Fluorophenol (S)	%.	72	24-104	11/12/13 21:00	
Nitrobenzene-d5 (S)	%.	63	28-101	11/12/13 21:00	
p-Terphenyl-d14 (S)	%.	86	26-110	11/12/13 21:00	
Phenol-d5 (S)	%.	66	28-101	11/12/13 21:00	

LABORATORY CONTROL SAMPLE: 1006602

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	3330	2590	78	39-103	
2-Chlorophenol	ug/kg	3330	2170	65	38-96	
2-Methylnaphthalene	ug/kg	3330	2320	70	36-94	
4-Chloro-3-methylphenol	ug/kg	3330	2410	72	38-104	
4-Nitrophenol	ug/kg	3330	2330	70	34-104	
Acenaphthene	ug/kg	3330	2360	71	43-99	
Acenaphthylene	ug/kg	3330	2390	72	42-101	
Anthracene	ug/kg	3330	2440	73	46-107	
Benzo(a)anthracene	ug/kg	3330	2480	74	45-108	
Benzo(a)pyrene	ug/kg	3330	2630	79	47-113	
Benzo(b)fluoranthene	ug/kg	3330	2430	73	41-110	
Benzo(g,h,i)perylene	ug/kg	3330	2510	75	42-112	
Benzo(k)fluoranthene	ug/kg	3330	2490	75	44-107	
Chrysene	ug/kg	3330	2530	76	43-103	
Dibenz(a,h)anthracene	ug/kg	3330	2640	79	43-110	
Fluoranthene	ug/kg	3330	2580	78	45-105	
Fluorene	ug/kg	3330	2580	78	42-103	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	2530	76	43-111	
N-Nitroso-di-n-propylamine	ug/kg	3330	2340	70	37-96	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

LABORATORY CONTROL SAMPLE: 1006602

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	3330	2120	64	44-100	
Phenanthrene	ug/kg	3330	2460	74	44-104	
Phenol	ug/kg	3330	2320	70	37-101	
Pyrene	ug/kg	3330	2550	76	44-105	
2,4,6-Tribromophenol (S)	%.			73	16-122	
2-Fluorobiphenyl (S)	%.			67	31-94	
2-Fluorophenol (S)	%.			75	24-104	
Nitrobenzene-d5 (S)	%.			67	28-101	
p-Terphenyl-d14 (S)	%.			91	26-110	
Phenol-d5 (S)	%.			76	28-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006603 1006604

Parameter	Units	5089243005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/kg	ND	4050	4000	2140J	2600J	53	65	15-102		20	
2-Chlorophenol	ug/kg	ND	4050	4000	2290J	2620J	56	65	22-96		20	
2-Methylnaphthalene	ug/kg	3510J	4050	4000	3060J	3190J	-11	-8	14-107		20	M0
4-Chloro-3-methylphenol	ug/kg	ND	4050	4000	ND	ND	60	71	21-105		20	
4-Nitrophenol	ug/kg	ND	4050	4000	ND	ND	49	62	12-107		20	
Acenaphthene	ug/kg	15300	4050	4000	5090	4300	-251	-274	19-110	17	20	M0
Acenaphthylene	ug/kg	ND	4050	4000	2810J	3160J	69	79	21-106		20	
Anthracene	ug/kg	40500	4050	4000	10600	7340	-737	-829	22-112	36	20	M0,R1
Benzo(a)anthracene	ug/kg	54800	4050	4000	16800	11300	-937	-1090	13-116	39	20	M0,R1
Benzo(a)pyrene	ug/kg	44400	4050	4000	14800	10400	-730	-850	11-119	35	20	M0,R1
Benzo(b)fluoranthene	ug/kg	59800	4050	4000	19100	11600	-1000	-1200	10-126	49	20	M0,R1
Benzo(g,h,i)perylene	ug/kg	22800	4050	4000	9480	6760	-329	-401	10-114	34	20	M0,R1
Benzo(k)fluoranthene	ug/kg	17100	4050	4000	8270	7840	-219	-232	10-117	5	20	M0
Chrysene	ug/kg	46900	4050	4000	15300	10800	-779	-903	14-107	35	20	M0,R1
Dibenz(a,h)anthracene	ug/kg	6760	4050	4000	4400	3100	-58	-92	10-119	35	20	M0,R1
Fluoranthene	ug/kg	152000	4050	4000	31900	21900	-2960	-3250	17-110	37	20	M0,R1
Fluorene	ug/kg	19000	4050	4000	5780	4720	-327	-358	17-115	20	20	M0
Indeno(1,2,3-cd)pyrene	ug/kg	21600	4050	4000	9170	6430	-307	-380	11-111	35	20	M0,R1
N-Nitroso-di-n-propylamine	ug/kg	ND	4050	4000	2410J	2840J	59	71	18-103		20	
Naphthalene	ug/kg	12100	4050	4000	4180	3430J	-195	-216	16-102		20	M0
Phenanthrene	ug/kg	140000	4050	4000	30400	18200	-2710	-3050	10-128	50	20	M0,R1
Phenol	ug/kg	ND	4050	4000	2340J	2720J	58	68	22-97		20	2d,3d
Pyrene	ug/kg	112000	4050	4000	23800	16800	-2190	-2390	10-123	34	20	M0,R1
2,4,6-Tribromophenol (S)	%.						69	77	16-122			
2-Fluorobiphenyl (S)	%.						64	71	31-94			
2-Fluorophenol (S)	%.						63	73	24-104			
Nitrobenzene-d5 (S)	%.						62	71	26-98			
p-Terphenyl-d14 (S)	%.						65	84	26-110			
Phenol-d5 (S)	%.						64	74	28-101			

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

QC Batch: PMST/8903 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5089243002, 5089243003, 5089243004, 5089243005, 5089243006, 5089243007, 5089243008, 5089243009, 5089243010, 5089243011

SAMPLE DUPLICATE: 1006482

Parameter	Units	5089233009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.8	11.8	0	5	

SAMPLE DUPLICATE: 1006483

Parameter	Units	5089243002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.0	15.7	12	5	R1

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

QC Batch: WET/13667 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 5089243002, 5089243005, 5089243009

SAMPLE DUPLICATE: 1007047

Parameter	Units	5089243002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.0	7.8	3	20	

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Due to the viscosity of the extract, it was run at 10x. KES 11-13-13
2d	Due to the viscosity of the extract, the MS was run at 10x. KES 11-13-13
3d	Due to the viscosity of the extract, the MSD was run at 10x. KES 11-13-13
4d	RPD is outside control limits due to sample non-homogeneity. FRW 11-5-13
5d	The surrogate recovery exceeds the upper limit due to significant contribution from the target analyte. CEM 11/04/13
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D4	Sample was diluted due to the presence of high levels of target analytes.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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1233 Dublin Road
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(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

METHOD CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Parameter	Matrix	Analytical Method	Preparation Method
6010 MET ICP	Solid	SW-846 6010B	SW-846 3050B
7471 Mercury	Solid	SW-846 7471A	SW-846 7471A
8015 GRO 5035	Solid	SW-846 8015B	SW-846 5035A
8015 Gasoline Range Organics	Solid	SW-846 8015A	SW-846 5030A
8015 TPH Ohio Microwave	Solid	SW-846 8015B	SW-846 3546
8082 GCS PCB	Solid	SW-846 8082	SW-846 3546
8260 MSV	Water	SW-846 8260B	SW-846 5030B
8260 MSV 5035A VOA	Solid	SW-846 8260B	SW-846 5035A
8270 MSSV SHORT LIST MICROWAVE	Solid	SW-846 8270C	SW-846 3546

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089243002	**FAW-SB03(0-2)-103113**	EPA 3546	OEXT/34276	EPA 8015 Mod Ext	GCSV/11682
5089243003	**FAW-SB03(2-4)-103113**	EPA 3546	OEXT/34276	EPA 8015 Mod Ext	GCSV/11682
5089243004	**FAW-SB03(4-6)-103113**	EPA 3546	OEXT/34276	EPA 8015 Mod Ext	GCSV/11682
5089243005	**FAW-SB07(0-2)-103113**	EPA 3546	OEXT/34276	EPA 8015 Mod Ext	GCSV/11682
5089243006	**FAW-SB07(2-4)-103113**	EPA 3546	OEXT/34276	EPA 8015 Mod Ext	GCSV/11682
5089243007	**FAW-SB07(8-10)-103113**	EPA 3546	OEXT/34276	EPA 8015 Mod Ext	GCSV/11682
5089243008	**FAW-SB11(0-2)-103113**	EPA 3546	OEXT/34276	EPA 8015 Mod Ext	GCSV/11682
5089243009	**FAW-SB11(2-4)-103113**	EPA 3546	OEXT/34276	EPA 8015 Mod Ext	GCSV/11682
5089243010	**FAW-SB11(8-10)-103113**	EPA 3546	OEXT/34276	EPA 8015 Mod Ext	GCSV/11682
5089243011	**FAW-SB10(0-2)-103113**	EPA 3546	OEXT/34276	EPA 8015 Mod Ext	GCSV/11682
5089243002	**FAW-SB03(0-2)-103113**	EPA 3546	OEXT/34277	EPA 8082	GCSV/11686
5089243003	**FAW-SB03(2-4)-103113**	EPA 3546	OEXT/34277	EPA 8082	GCSV/11686
5089243004	**FAW-SB03(4-6)-103113**	EPA 3546	OEXT/34277	EPA 8082	GCSV/11686
5089243005	**FAW-SB07(0-2)-103113**	EPA 3546	OEXT/34277	EPA 8082	GCSV/11686
5089243006	**FAW-SB07(2-4)-103113**	EPA 3546	OEXT/34277	EPA 8082	GCSV/11686
5089243007	**FAW-SB07(8-10)-103113**	EPA 3546	OEXT/34277	EPA 8082	GCSV/11686
5089243008	**FAW-SB11(0-2)-103113**	EPA 3546	OEXT/34277	EPA 8082	GCSV/11686
5089243009	**FAW-SB11(2-4)-103113**	EPA 3546	OEXT/34277	EPA 8082	GCSV/11686
5089243010	**FAW-SB11(8-10)-103113**	EPA 3546	OEXT/34277	EPA 8082	GCSV/11686
5089243011	**FAW-SB10(0-2)-103113**	EPA 3546	OEXT/34277	EPA 8082	GCSV/11686
5089243002	**FAW-SB03(0-2)-103113**	EPA 8015 Mod Pur	GCV/17349		
5089243003	**FAW-SB03(2-4)-103113**	EPA 8015 Mod Pur	GCV/17349		
5089243004	**FAW-SB03(4-6)-103113**	EPA 8015 Mod Pur	GCV/17349		
5089243009	**FAW-SB11(2-4)-103113**	EPA 8015 Mod Pur	GCV/17349		
5089243011	**FAW-SB10(0-2)-103113**	EPA 8015 Mod Pur	GCV/17349		
5089243002	**FAW-SB03(0-2)-103113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089243003	**FAW-SB03(2-4)-103113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089243004	**FAW-SB03(4-6)-103113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089243005	**FAW-SB07(0-2)-103113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089243006	**FAW-SB07(2-4)-103113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089243007	**FAW-SB07(8-10)-103113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089243008	**FAW-SB11(0-2)-103113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089243009	**FAW-SB11(2-4)-103113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089243010	**FAW-SB11(8-10)-103113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089243011	**FAW-SB10(0-2)-103113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089243002	**FAW-SB03(0-2)-103113**	EPA 7471	MERP/5010	EPA 7471	MERC/5351
5089243003	**FAW-SB03(2-4)-103113**	EPA 7471	MERP/5010	EPA 7471	MERC/5351
5089243004	**FAW-SB03(4-6)-103113**	EPA 7471	MERP/5010	EPA 7471	MERC/5351
5089243005	**FAW-SB07(0-2)-103113**	EPA 7471	MERP/5010	EPA 7471	MERC/5351
5089243006	**FAW-SB07(2-4)-103113**	EPA 7471	MERP/5010	EPA 7471	MERC/5351
5089243007	**FAW-SB07(8-10)-103113**	EPA 7471	MERP/5010	EPA 7471	MERC/5351
5089243008	**FAW-SB11(0-2)-103113**	EPA 7471	MERP/5010	EPA 7471	MERC/5351
5089243009	**FAW-SB11(2-4)-103113**	EPA 7471	MERP/5010	EPA 7471	MERC/5351
5089243010	**FAW-SB11(8-10)-103113**	EPA 7471	MERP/5010	EPA 7471	MERC/5351
5089243011	**FAW-SB10(0-2)-103113**	EPA 7471	MERP/5010	EPA 7471	MERC/5351
5089243002	**FAW-SB03(0-2)-103113**	EPA 3546	OEXT/34278	EPA 8270	MSSV/13920

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089243

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089243003	**FAW-SB03(2-4)-103113**	EPA 3546	OEXT/34278	EPA 8270	MSSV/13920
5089243004	**FAW-SB03(4-6)-103113**	EPA 3546	OEXT/34278	EPA 8270	MSSV/13920
5089243005	**FAW-SB07(0-2)-103113**	EPA 3546	OEXT/34278	EPA 8270	MSSV/13920
5089243006	**FAW-SB07(2-4)-103113**	EPA 3546	OEXT/34278	EPA 8270	MSSV/13920
5089243007	**FAW-SB07(8-10)-103113**	EPA 3546	OEXT/34278	EPA 8270	MSSV/13920
5089243008	**FAW-SB11(0-2)-103113**	EPA 3546	OEXT/34278	EPA 8270	MSSV/13920
5089243009	**FAW-SB11(2-4)-103113**	EPA 3546	OEXT/34278	EPA 8270	MSSV/13920
5089243010	**FAW-SB11(8-10)-103113**	EPA 3546	OEXT/34278	EPA 8270	MSSV/13920
5089243011	**FAW-SB10(0-2)-103113**	EPA 3546	OEXT/34278	EPA 8270	MSSV/13920
5089243001	**FAW-TB08-103113**	EPA 8260	MSV/59136		
5089243002	**FAW-SB03(0-2)-103113**	EPA 8260	MSV/59181		
5089243003	**FAW-SB03(2-4)-103113**	EPA 8260	MSV/59181		
5089243004	**FAW-SB03(4-6)-103113**	EPA 8260	MSV/59181		
5089243009	**FAW-SB11(2-4)-103113**	EPA 8260	MSV/59181		
5089243011	**FAW-SB10(0-2)-103113**	EPA 8260	MSV/59181		
5089243002	**FAW-SB03(0-2)-103113**	ASTM D2974-87	PMST/8903		
5089243003	**FAW-SB03(2-4)-103113**	ASTM D2974-87	PMST/8903		
5089243004	**FAW-SB03(4-6)-103113**	ASTM D2974-87	PMST/8903		
5089243005	**FAW-SB07(0-2)-103113**	ASTM D2974-87	PMST/8903		
5089243006	**FAW-SB07(2-4)-103113**	ASTM D2974-87	PMST/8903		
5089243007	**FAW-SB07(8-10)-103113**	ASTM D2974-87	PMST/8903		
5089243008	**FAW-SB11(0-2)-103113**	ASTM D2974-87	PMST/8903		
5089243009	**FAW-SB11(2-4)-103113**	ASTM D2974-87	PMST/8903		
5089243010	**FAW-SB11(8-10)-103113**	ASTM D2974-87	PMST/8903		
5089243011	**FAW-SB10(0-2)-103113**	ASTM D2974-87	PMST/8903		
5089243002	**FAW-SB03(0-2)-103113**	EPA 9045	WET/13667		
5089243005	**FAW-SB07(0-2)-103113**	EPA 9045	WET/13667		
5089243009	**FAW-SB11(2-4)-103113**	EPA 9045	WET/13667		

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CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical® www.pacelabs.com

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1634

Page: 1 of 1

1718763

Section A Required Client Information:

Company: Weston Solutions
Address: 711 E. Monument Ave
Dayton OH 45402
Email To: laura.funk@westonsolutions.com
Phone: 937-531-4402 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: laura.funk@westonsolutions.com
Copy To:
Purchase Order No.:
Project Name: FAW
Project Number: 20405.016.008.2234.00

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER Ohio VAP

Site Location STATE: OH

5089243

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N)	Analysis Test: FOC	SVOC	PCB	TPHDRO	Metals	PH	VOC	TPHGRO	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FAW-TB08-103113	WT		10-31					1															X			001
2	FAW-SB03(0-2)-103113	SL	G	10-31	1135				9											X	X	X	X	X	X	X			2
3	FAW-SB03(2-4)-103113	SL	G	10-31	1140				9										X	X	X	X	X		X	X			3
4	FAW-SB03(4-6)-103113	SL	G	10-31	1155				8											X	X	X	X		X	X			4
5	FAW-SB07(0-2)-103113	SL	G	10-31	1311				3											X	X	X	X	X					5
6	FAW-SB07(2-4)-103113	SL	G	10-31	1320				3										X	X	X	X	X						6
7	FAW-SB07(8-10)-103113	SL	G	10-31	1324				3											X	X	X	X						7
8	FAW-SB11(0-2)-103113	SL	G	10-31	1405				2											X	X	X	X						8
9	FAW-SB11(2-4)-103113	SL	G	10-31	1408				9											X	X	X	X	X	X	X			9
10	FAW-SB11(8-10)-103113	SL	G	10-31	1420				3										X	X	X	X	X						10
11	FAW-SB10(0-2)-103113	SL	G	10-31	1445				8											X	X	X	X		X	X			11
12																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Dustin Bates	10-31	1536		10/31/13	1545	

@Pace Indy MB 10/1/13 10:49
Fedex w/ice
797053430341 1.1°C

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dustin Bates

SIGNATURE of SAMPLER: Dustin Bates DATE Signed (MM/DD/YY): 10/31/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Weston Solutions Project # 5089243

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 797053430341

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Date/Time 5035A kits placed in freezer: 11/1/13

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used 1 2 3 4 6 (A) B C D E **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 1.1°C **Ice Visible in Sample Containers:** ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: MB 11/1/13

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	5. terracore MB
Rush Turn Around Time Requested:	☐Yes ☐No ☑N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☐Yes ☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes ☐No ☐N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☐N/A	
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☐N/A	10.
Trip Blank Present:	☐Yes ☐No ☐N/A	11.
Trip Blank Custody Seals Present	☐Yes ☐No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	12.
Sufficient Volume:	☑Yes ☐No ☐N/A	13.
Correct Containers Used:	☑Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: MD **Date:** 11/1/13

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: Weston Solutions

COC PAGE 1 of 1
COC ID# 1718763

Project # _____

Pace Analytical™ www.pacelabs.com

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1	1															
2			3		6											
3			3		6											
4			2		6											
5			3													
6			3													
7			2													
8			2													
9			3		6											
10			3													
11			2		6											
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 07, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161348
Project ID: 5089243/WESTON SOLUTION,INC

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on November 05, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerly,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161348

Client: PASI Indianapolis

Project ID: 5089243/WESTON SOLUTION,INC

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/7/2013 14:01:28

Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161348

Client: PASI Indianapolis

Project ID: 5089243/WESTON SOLUTION,INC

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-SB03(2-4)-103113	201140156	Soil	31-Oct-13 11:40	05-Nov-13 11:00
FAW-SB07(2-4)-103113	201140157	Soil	31-Oct-13 13:20	05-Nov-13 11:00
FAW-SB11(8-10)-103113	201140158	Soil	31-Oct-13 14:20	05-Nov-13 11:00

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161348

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Matrix Spikes and Duplicates:

All MS/MSD recoveries or duplicate RPDs were within QC limits.

QC Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161348

Analytical Method	Batch	Sample used for QC
Dry Weight Moisture	220903	Project sample FAW-SB03(2-4)-103113
ASTM D2974	220785	Project sample FAW-SB03(2-4)-103113

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB03(2-4)-103113
Project: 20161348
Project ID: 5089243/WESTON SOLUTION,INC
Site: None
Lab ID: 201140156
Matrix: Soil
%Moisture: 15 Not Corrected
Description: None

Collected: 31-Oct-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220785	1	7.98		% (w/w)	0.100	05-Nov-13	05-Nov-13 16:12 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB07(2-4)-103113
Project: 20161348
Project ID: 5089243/WESTON SOLUTION,INC
Site: None
Lab ID: 201140157
Matrix: Soil
%Moisture: 21 Not Corrected
Description: None

Collected: 31-Oct-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220785	1	4.04		% (w/w)	0.100	05-Nov-13	05-Nov-13 16:12 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

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Client: PASI Indianapolis

Client ID: FAW-SB11(8-10)-103113
Project: 20161348
Project ID: 5089243/WESTON SOLUTION,INC
Site: None
Lab ID: 201140158
Matrix: Soil
%Moisture: 10.3 Not Corrected
Description: None

Collected: 31-Oct-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220785	1	1.96		% (w/w)	0.100	05-Nov-13	05-Nov-13 16:13 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

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Project: 20161348

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	220785	<0.100	% (w/w)										7			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

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Project: 20161348

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

20161348 PASI-INDI

Chain of Custod

20161348

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www.pacelabs.com

Workorder: 5089243 **Workorder Name:** FAW 20405.016.008.2234.00 **Owner Received Date:** 10/31/2013 **Results Requested By:** 11/13/2013

Report To	Subcontract To
Kenneth Hunt Pace Analytical Services, Inc. 7726 Moller Road Indianapolis, IN 46268 Phone (317)875-5894 Fax (317)872-6189	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: 4 OZ	Requested Analysis: FOC, ASTM	LAB USE ONLY
1	FAW-SB03(2-4)-103113	PS	10/31/2013 11:40	5089243003	Solid	1	X	20114015b
2	FAW-SB07(2-4)-103113	PS	10/31/2013 13:20	5089243006	Solid	1	X	157
3	FAW-SB11(8-10)-103113	PS	10/31/2013 14:20	5089243010	Solid	1	X	158
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Marcia Bennett	11/4/13 10:38		
2	FedEx	11-5-13 1100		11-5-13
3				

Comments: 1100

Cooler Temperature on Receipt 1.9 °C Custody Seal Y or N Received on Ice Y or N Samples Intact Y or N

KC

20161348 PASI-INDI

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Conditi

Courier: ☐ Pace Courier ☐ Hired Courier ☑ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals Intact:** ☑Yes ☐No

Therometer Used:	☐ Therm Fisher IR 5 ☐ Therm Fisher IR 6 ☐ Therm Fisher IR 7

Type of Ice: (Wet) Blue None Samples on ice: [see COC]

Cooler Temperature: [see COC] Temp should be above freezing to 6°C

Date and Initials of person examining contents: 11-5-13

Temp must be measured from Temperature blank when present

			Comments:
Temperature Blank Present"?	☑Yes ☐No ☐N/A	1	
Chain of Custody Present:	☑Yes ☐No ☐N/A	2	
Chain of Custody Complete:	☑Yes ☐No ☐N/A	3	
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	4	
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	5	
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	6	
Sufficient Volume:	☑Yes ☐No ☐N/A	7	
Correct Containers Used:	☑Yes ☐No ☐N/A	8	
Filtered vol. Rec. for Diss. tests	☐Yes ☑No ☐N/A	9	
Sample Labels match COC:	☑Yes ☐No ☐N/A	10	
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes ☐No ☐N/A	11	
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐Yes ☐No ☑N/A	12	
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	13	If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14	
Trip Blank Present:	☐Yes ☑No	15	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 15Feb2013 SCUR Form - mod

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Columbus, OH 43215
(614)486-5421

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

November 14, 2013

Ms. Laura Funk
Weston Solutions
711 East Monument Ave
Dayton, OH 45402

RE: Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

Dear Ms. Funk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 01, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5089269001	**FAW-SB05(6-8)-103113EB**	Water	10/31/13 10:10	11/01/13 18:22

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5089269001	**FAW-SB05(6-8)-103113EB**	EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW, LLB	16	PASI-I
		EPA 7470	LLB	1	PASI-I
		EPA 8270 by SIM	CEM	19	PASI-I
		EPA 8270	KES	43	PASI-I
		EPA 8260	RSW	68	PASI-I

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

Sample: FAW-SB05(6-8)-103113EB **Lab ID: 5089269001** Collected: 10/31/13 10:10 Received: 11/01/13 18:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:04	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:04	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:04	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:04	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:04	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:04	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:04	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	72	%.	32-115		1	11/05/13 10:55	11/05/13 19:04	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Aluminum	ND	ug/L	1000	500	1	11/05/13 08:12	11/06/13 10:00	7429-90-5	
Antimony	ND	ug/L	6.0	4.1	1	11/05/13 08:12	11/06/13 10:00	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:00	7440-38-2	
Barium	ND	ug/L	100	10.0	1	11/05/13 08:12	11/06/13 10:00	7440-39-3	
Beryllium	ND	ug/L	4.0	2.0	1	11/05/13 08:12	11/06/13 10:00	7440-41-7	
Cadmium	ND	ug/L	5.0	2.5	1	11/05/13 08:12	11/06/13 10:00	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:00	7440-47-3	
Cobalt	ND	ug/L	50.0	25.0	1	11/05/13 08:12	11/06/13 10:00	7440-48-4	
Copper	ND	ug/L	20.0	10.0	1	11/05/13 08:12	11/06/13 10:00	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	11/05/13 08:12	11/06/13 10:00	7439-92-1	
Nickel	ND	ug/L	50.0	10.0	1	11/05/13 08:12	11/06/13 10:00	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:00	7782-49-2	
Silver	ND	ug/L	50.0	25.0	1	11/05/13 08:12	11/06/13 10:00	7440-22-4	
Thallium	ND	ug/L	2.0	2.0	1	11/09/13 14:26	11/11/13 13:27	7440-28-0	
Vanadium	ND	ug/L	50.0	25.0	1	11/05/13 08:12	11/06/13 10:00	7440-62-2	
Zinc	ND	ug/L	50.0	20.0	1	11/05/13 08:12	11/06/13 10:00	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1.0	1	11/05/13 10:15	11/06/13 13:48	7439-97-6	
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	83-32-9	
Acenaphthylene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	208-96-8	
Anthracene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	207-08-9	
Chrysene	ND	ug/L	0.52	0.26	1	11/04/13 10:52	11/05/13 03:22	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	53-70-3	
Fluoranthene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	206-44-0	
Fluorene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.052	1	11/04/13 10:52	11/05/13 03:22	193-39-5	
2-Methylnaphthalene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	91-57-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

Sample: FAW-SB05(6-8)-103113EB **Lab ID: 5089269001** Collected: 10/31/13 10:10 Received: 11/01/13 18:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Naphthalene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	91-20-3	
Phenanthrene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	85-01-8	
Pyrene	ND	ug/L	1.0	0.52	1	11/04/13 10:52	11/05/13 03:22	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	75	%.	21-114		1	11/04/13 10:52	11/05/13 03:22	321-60-8	
p-Terphenyl-d14 (S)	95	%.	25-131		1	11/04/13 10:52	11/05/13 03:22	1718-51-0	
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzyl alcohol	ND	ug/L	20.6	10.3	1	11/04/13 10:52	11/04/13 19:36	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.6	10.3	1	11/04/13 10:52	11/04/13 19:36	59-50-7	
4-Chloroaniline	ND	ug/L	20.6	10.3	1	11/04/13 10:52	11/04/13 19:36	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.2	3.5	1	11/04/13 10:52	11/04/13 19:36	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	91-58-7	
2-Chlorophenol	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	7005-72-3	
Dibenzofuran	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	132-64-9	
2,4-Dichlorophenol	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	120-83-2	
Diethylphthalate	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	105-67-9	
Dimethylphthalate	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	51.5	25.8	1	11/04/13 10:52	11/04/13 19:36	534-52-1	
2,4-Dinitrophenol	ND	ug/L	51.5	51.5	1	11/04/13 10:52	11/04/13 19:36	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	2.6	1	11/04/13 10:52	11/04/13 19:36	117-81-7	
Hexachlorocyclopentadiene	ND	ug/L	20.6	20.6	1	11/04/13 10:52	11/04/13 19:36	77-47-4	
Hexachloroethane	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	67-72-1	
Isophorone	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.6	10.3	1	11/04/13 10:52	11/04/13 19:36		
2-Nitroaniline	ND	ug/L	51.5	25.8	1	11/04/13 10:52	11/04/13 19:36	88-74-4	
3-Nitroaniline	ND	ug/L	51.5	25.8	1	11/04/13 10:52	11/04/13 19:36	99-09-2	
4-Nitroaniline	ND	ug/L	51.5	25.8	1	11/04/13 10:52	11/04/13 19:36	100-01-6	
Nitrobenzene	ND	ug/L	5.2	5.2	1	11/04/13 10:52	11/04/13 19:36	98-95-3	
2-Nitrophenol	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	88-75-5	
4-Nitrophenol	ND	ug/L	51.5	51.5	1	11/04/13 10:52	11/04/13 19:36	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	86-30-6	
Phenol	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	95-95-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

Sample: FAW-SB05(6-8)-103113EB **Lab ID: 5089269001** Collected: 10/31/13 10:10 Received: 11/01/13 18:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2,4,6-Trichlorophenol	ND	ug/L	10.3	5.2	1	11/04/13 10:52	11/04/13 19:36	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	71	%.	29-126		1	11/04/13 10:52	11/04/13 19:36	4165-60-0	
Phenol-d5 (S)	15	%.	10-47		1	11/04/13 10:52	11/04/13 19:36	4165-62-2	
2-Fluorophenol (S)	33	%.	10-67		1	11/04/13 10:52	11/04/13 19:36	367-12-4	
2,4,6-Tribromophenol (S)	87	%.	31-161		1	11/04/13 10:52	11/04/13 19:36	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/13 18:33	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/13 18:33	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/13 18:33	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/13 18:33	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/12/13 18:33	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/12/13 18:33	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/12/13 18:33	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/13 18:33	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/13 18:33	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/12/13 18:33	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	124-48-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

Sample: FAW-SB05(6-8)-103113EB **Lab ID: 5089269001** Collected: 10/31/13 10:10 Received: 11/01/13 18:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dibromomethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/12/13 18:33	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/12/13 18:33	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/13 18:33	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/13 18:33	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-09-2	
Styrene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/13 18:33	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/13 18:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/12/13 18:33	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/13 18:33	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/13 18:33	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/12/13 18:33	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 18:33	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/12/13 18:33	110-57-6	
Surrogates									
Dibromofluoromethane (S)	96	%.	79-116		1		11/12/13 18:33	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114		1		11/12/13 18:33	460-00-4	
Toluene-d8 (S)	97	%.	81-110		1		11/12/13 18:33	2037-26-5	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

QC Batch: MERP/5011
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 5089269001

METHOD BLANK: 1007418 Matrix: Water
Associated Lab Samples: 5089269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	2.0	11/06/13 12:58	

LABORATORY CONTROL SAMPLE: 1007419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1007420 1007421

Parameter	Units	5089135001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.9	4.8	99	96	75-125	2	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

QC Batch: MPRP/12375
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 5089269001

METHOD BLANK: 1007414 Matrix: Water
Associated Lab Samples: 5089269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	1000	11/06/13 09:50	
Antimony	ug/L	ND	6.0	11/06/13 09:50	
Arsenic	ug/L	ND	10.0	11/06/13 09:50	
Barium	ug/L	ND	100	11/06/13 09:50	
Beryllium	ug/L	ND	4.0	11/06/13 09:50	
Cadmium	ug/L	ND	5.0	11/06/13 09:50	
Chromium	ug/L	ND	10.0	11/06/13 09:50	
Cobalt	ug/L	ND	50.0	11/06/13 09:50	
Copper	ug/L	ND	20.0	11/06/13 09:50	
Lead	ug/L	ND	10.0	11/06/13 09:50	
Nickel	ug/L	ND	50.0	11/06/13 09:50	
Selenium	ug/L	ND	10.0	11/06/13 09:50	
Silver	ug/L	ND	50.0	11/06/13 09:50	
Vanadium	ug/L	ND	50.0	11/06/13 09:50	
Zinc	ug/L	ND	50.0	11/06/13 09:50	

LABORATORY CONTROL SAMPLE: 1007415

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10100	101	80-120	
Antimony	ug/L	1000	1010	101	80-120	
Arsenic	ug/L	1000	1020	102	80-120	
Barium	ug/L	1000	1030	103	80-120	
Beryllium	ug/L	1000	983	98	80-120	
Cadmium	ug/L	1000	994	99	80-120	
Chromium	ug/L	1000	995	100	80-120	
Cobalt	ug/L	1000	1010	101	80-120	
Copper	ug/L	1000	998	100	80-120	
Lead	ug/L	1000	996	100	80-120	
Nickel	ug/L	1000	1010	101	80-120	
Selenium	ug/L	1000	991	99	80-120	
Silver	ug/L	500	483	97	80-120	
Vanadium	ug/L	1000	1040	104	80-120	
Zinc	ug/L	1000	977	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1007416 1007417

Parameter	Units	5089314001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	10700	10800	106	106	75-125	0	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1007416 1007417

Parameter	Units	5089314001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	1000	1000	1040	1040	104	104	75-125	0	20	
Arsenic	ug/L	ND	1000	1000	1060	1060	105	106	75-125	0	20	
Barium	ug/L	ND	1000	1000	1120	1130	106	107	75-125	0	20	
Beryllium	ug/L	ND	1000	1000	1010	1020	101	102	75-125	0	20	
Cadmium	ug/L	ND	1000	1000	1020	1020	102	102	75-125	0	20	
Chromium	ug/L	ND	1000	1000	1020	1020	102	102	75-125	0	20	
Cobalt	ug/L	ND	1000	1000	1010	1010	101	101	75-125	0	20	
Copper	ug/L	ND	1000	1000	1030	1040	103	103	75-125	0	20	
Lead	ug/L	ND	1000	1000	1010	1010	101	101	75-125	0	20	
Nickel	ug/L	ND	1000	1000	1020	1020	101	102	75-125	0	20	
Selenium	ug/L	ND	1000	1000	1020	1030	102	103	75-125	0	20	
Silver	ug/L	ND	500	500	499	502	100	100	75-125	1	20	
Vanadium	ug/L	ND	1000	1000	1070	1070	107	106	75-125	0	20	
Zinc	ug/L	ND	1000	1000	980	984	98	98	75-125	0	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

QC Batch: MPRP/12414
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 5089269001

METHOD BLANK: 1010490 Matrix: Water
Associated Lab Samples: 5089269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Thallium	ug/L	ND	2.0	11/11/13 13:23	

LABORATORY CONTROL SAMPLE: 1010491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	200	181	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010492 1010493

Parameter	Units	5089354001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Thallium	ug/L	ND	200	200	175	178	88	89	75-125	1	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

QC Batch: MSV/59266 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5089269001

METHOD BLANK: 1011510 Matrix: Water
Associated Lab Samples: 5089269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/12/13 14:48	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/12/13 14:48	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/12/13 14:48	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/12/13 14:48	
1,1-Dichloroethane	ug/L	ND	5.0	11/12/13 14:48	
1,1-Dichloroethene	ug/L	ND	5.0	11/12/13 14:48	
1,1-Dichloropropene	ug/L	ND	5.0	11/12/13 14:48	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/12/13 14:48	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/12/13 14:48	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/12/13 14:48	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/12/13 14:48	
1,2-Dichloroethane	ug/L	ND	5.0	11/12/13 14:48	
1,2-Dichloropropane	ug/L	ND	5.0	11/12/13 14:48	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/12/13 14:48	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/12/13 14:48	
1,3-Dichloropropane	ug/L	ND	5.0	11/12/13 14:48	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/12/13 14:48	
2,2-Dichloropropane	ug/L	ND	5.0	11/12/13 14:48	
2-Butanone (MEK)	ug/L	ND	25.0	11/12/13 14:48	
2-Chlorotoluene	ug/L	ND	5.0	11/12/13 14:48	
2-Hexanone	ug/L	ND	25.0	11/12/13 14:48	
4-Chlorotoluene	ug/L	ND	5.0	11/12/13 14:48	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/12/13 14:48	
Acetone	ug/L	ND	100	11/12/13 14:48	
Acrolein	ug/L	ND	50.0	11/12/13 14:48	
Benzene	ug/L	ND	5.0	11/12/13 14:48	
Bromobenzene	ug/L	ND	5.0	11/12/13 14:48	
Bromochloromethane	ug/L	ND	5.0	11/12/13 14:48	
Bromodichloromethane	ug/L	ND	5.0	11/12/13 14:48	
Bromoform	ug/L	ND	5.0	11/12/13 14:48	
Bromomethane	ug/L	ND	5.0	11/12/13 14:48	
Carbon disulfide	ug/L	ND	10.0	11/12/13 14:48	
Carbon tetrachloride	ug/L	ND	5.0	11/12/13 14:48	
Chlorobenzene	ug/L	ND	5.0	11/12/13 14:48	
Chloroethane	ug/L	ND	5.0	11/12/13 14:48	
Chloroform	ug/L	ND	5.0	11/12/13 14:48	
Chloromethane	ug/L	ND	5.0	11/12/13 14:48	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/12/13 14:48	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/12/13 14:48	
Dibromochloromethane	ug/L	ND	5.0	11/12/13 14:48	
Dibromomethane	ug/L	ND	5.0	11/12/13 14:48	
Dichlorodifluoromethane	ug/L	ND	5.0	11/12/13 14:48	
Ethyl methacrylate	ug/L	ND	100	11/12/13 14:48	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

METHOD BLANK: 1011510 Matrix: Water

Associated Lab Samples: 5089269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	5.0	11/12/13 14:48	
Iodomethane	ug/L	ND	10.0	11/12/13 14:48	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/12/13 14:48	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/12/13 14:48	
Methylene Chloride	ug/L	2.5J	5.0	11/12/13 14:48	
n-Butylbenzene	ug/L	ND	5.0	11/12/13 14:48	
n-Hexane	ug/L	ND	5.0	11/12/13 14:48	N2
n-Propylbenzene	ug/L	ND	5.0	11/12/13 14:48	
p-Isopropyltoluene	ug/L	ND	5.0	11/12/13 14:48	
sec-Butylbenzene	ug/L	ND	5.0	11/12/13 14:48	
Styrene	ug/L	ND	5.0	11/12/13 14:48	
tert-Butylbenzene	ug/L	ND	5.0	11/12/13 14:48	
Tetrachloroethene	ug/L	ND	5.0	11/12/13 14:48	
Toluene	ug/L	ND	5.0	11/12/13 14:48	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/12/13 14:48	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/12/13 14:48	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/12/13 14:48	
Trichloroethene	ug/L	ND	5.0	11/12/13 14:48	
Trichlorofluoromethane	ug/L	ND	5.0	11/12/13 14:48	
Vinyl acetate	ug/L	ND	50.0	11/12/13 14:48	
Vinyl chloride	ug/L	ND	2.0	11/12/13 14:48	
Xylene (Total)	ug/L	ND	10.0	11/12/13 14:48	
4-Bromofluorobenzene (S)	%.	101	80-114	11/12/13 14:48	
Dibromofluoromethane (S)	%.	98	79-116	11/12/13 14:48	
Toluene-d8 (S)	%.	102	81-110	11/12/13 14:48	

LABORATORY CONTROL SAMPLE: 1011511

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	42.5	85	61-135	
1,1,1-Trichloroethane	ug/L	50	45.6	91	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	44.6	89	66-126	
1,1,2-Trichloroethane	ug/L	50	47.5	95	77-130	
1,1-Dichloroethane	ug/L	50	48.9	98	75-130	
1,1-Dichloroethene	ug/L	50	45.5	91	68-127	
1,1-Dichloropropene	ug/L	50	51.6	103	78-130	
1,2,3-Trichlorobenzene	ug/L	50	43.5	87	70-130	
1,2,4-Trichlorobenzene	ug/L	50	42.8	86	68-131	
1,2,4-Trimethylbenzene	ug/L	50	47.0	94	69-127	
1,2-Dichlorobenzene	ug/L	50	46.7	93	75-123	
1,2-Dichloroethane	ug/L	50	46.9	94	75-128	
1,2-Dichloropropane	ug/L	50	52.5	105	74-121	
1,3,5-Trimethylbenzene	ug/L	50	48.3	97	70-126	
1,3-Dichlorobenzene	ug/L	50	46.4	93	74-122	
1,3-Dichloropropane	ug/L	50	48.5	97	74-123	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

LABORATORY CONTROL SAMPLE: 1011511

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	44.9	90	76-120	
2,2-Dichloropropane	ug/L	50	42.2	84	50-137	
2-Butanone (MEK)	ug/L	250	270	108	58-139	
2-Chlorotoluene	ug/L	50	44.7	89	74-122	
2-Hexanone	ug/L	250	269	107	54-140	
4-Chlorotoluene	ug/L	50	48.6	97	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	259	103	58-138	
Acetone	ug/L	250	302	121	49-150	
Acrolein	ug/L	1000	853	85	41-200	
Benzene	ug/L	50	45.4	91	74-122	
Bromobenzene	ug/L	50	46.5	93	72-127	
Bromochloromethane	ug/L	50	46.3	93	63-132	
Bromodichloromethane	ug/L	50	45.8	92	62-136	
Bromoform	ug/L	50	41.5	83	44-134	
Bromomethane	ug/L	50	135	270	22-181	L3
Carbon disulfide	ug/L	100	93.4	93	59-132	
Carbon tetrachloride	ug/L	50	41.6	83	56-137	
Chlorobenzene	ug/L	50	46.2	92	78-123	
Chloroethane	ug/L	50	42.0	84	60-144	
Chloroform	ug/L	50	47.2	94	78-126	
Chloromethane	ug/L	50	49.9	100	42-134	
cis-1,2-Dichloroethene	ug/L	50	47.8	96	75-122	
cis-1,3-Dichloropropene	ug/L	50	46.0	92	64-126	
Dibromochloromethane	ug/L	50	44.9	90	58-128	
Dibromomethane	ug/L	50	49.5	99	73-125	
Dichlorodifluoromethane	ug/L	50	52.8	106	35-181	
Ethyl methacrylate	ug/L	200	202	101	69-133	
Ethylbenzene	ug/L	50	47.3	95	66-133	
Iodomethane	ug/L	100	82.8	83	21-170	
Isopropylbenzene (Cumene)	ug/L	50	51.2	102	69-124	
Methyl-tert-butyl ether	ug/L	100	107	107	69-122	
Methylene Chloride	ug/L	50	52.7	105	68-132	
n-Butylbenzene	ug/L	50	52.5	105	70-126	
n-Hexane	ug/L	50	53.1	106	51-125	N2
n-Propylbenzene	ug/L	50	46.7	93	71-122	
p-Isopropyltoluene	ug/L	50	49.9	100	72-132	
sec-Butylbenzene	ug/L	50	48.8	98	70-128	
Styrene	ug/L	50	52.5	105	74-126	
tert-Butylbenzene	ug/L	50	41.2	82	51-118	
Tetrachloroethene	ug/L	50	47.1	94	69-130	
Toluene	ug/L	50	45.0	90	72-122	
trans-1,2-Dichloroethene	ug/L	50	47.5	95	72-124	
trans-1,3-Dichloropropene	ug/L	50	46.9	94	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	206	103	56-133	
Trichloroethene	ug/L	50	46.6	93	76-126	
Trichlorofluoromethane	ug/L	50	49.9	100	76-149	
Vinyl acetate	ug/L	200	244	122	45-151	
Vinyl chloride	ug/L	50	52.4	105	59-126	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

LABORATORY CONTROL SAMPLE: 1011511

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	147	98	70-124	
4-Bromofluorobenzene (S)	%.			101	80-114	
Dibromofluoromethane (S)	%.			103	79-116	
Toluene-d8 (S)	%.			99	81-110	

MATRIX SPIKE SAMPLE: 1011512

Parameter	Units	5089344001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	26.8	54	50-132	
1,1,1-Trichloroethane	ug/L	ND	50	30.2	60	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	30.0	60	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	31.3	63	61-139	
1,1-Dichloroethane	ug/L	ND	50	34.1	68	57-147	
1,1-Dichloroethene	ug/L	ND	50	33.7	67	55-145	
1,1-Dichloropropene	ug/L	ND	50	37.2	74	55-147	
1,2,3-Trichlorobenzene	ug/L	ND	50	28.5	57	31-141	
1,2,4-Trichlorobenzene	ug/L	ND	50	27.8	56	25-143	
1,2,4-Trimethylbenzene	ug/L	ND	50	32.3	65	18-149	
1,2-Dichlorobenzene	ug/L	ND	50	31.8	64	38-136	
1,2-Dichloroethane	ug/L	ND	50	31.4	63	62-138	
1,2-Dichloropropane	ug/L	ND	50	35.8	72	59-130	
1,3,5-Trimethylbenzene	ug/L	ND	50	34.9	70	20-147	
1,3-Dichlorobenzene	ug/L	ND	50	31.8	64	28-141	
1,3-Dichloropropane	ug/L	ND	50	32.4	65	62-127	
1,4-Dichlorobenzene	ug/L	ND	50	30.9	62	30-139	
2,2-Dichloropropane	ug/L	ND	50	24.5	49	37-139	
2-Butanone (MEK)	ug/L	ND	250	168	67	37-156	
2-Chlorotoluene	ug/L	ND	50	32.4	65	27-142	
2-Hexanone	ug/L	ND	250	170	68	44-143	
4-Chlorotoluene	ug/L	ND	50	33.4	67	27-144	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	169	68	46-144	
Acetone	ug/L	ND	250	172	69	39-156	
Acrolein	ug/L	ND	1000	804	80	33-200	
Benzene	ug/L	ND	50	32.4	65	62-129	
Bromobenzene	ug/L	ND	50	30.9	62	39-140	
Bromochloromethane	ug/L	ND	50	32.2	64	49-142	
Bromodichloromethane	ug/L	ND	50	30.3	61	50-142	
Bromoform	ug/L	ND	50	26.2	52	36-125	
Bromomethane	ug/L	ND	50	122	244	13-179	M0
Carbon disulfide	ug/L	ND	100	68.2	68	45-142	
Carbon tetrachloride	ug/L	ND	50	27.1	54	46-142	
Chlorobenzene	ug/L	ND	50	31.6	63	49-136	
Chloroethane	ug/L	ND	50	31.3	63	47-160	
Chloroform	ug/L	ND	50	33.4	67	54-150	
Chloromethane	ug/L	ND	50	37.0	72	30-148	
cis-1,2-Dichloroethene	ug/L	ND	50	33.5	67	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	27.2	54	52-123	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

MATRIX SPIKE SAMPLE: 1011512

Parameter	Units	5089344001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	ND	50	28.0	56	48-125	
Dibromomethane	ug/L	ND	50	33.3	67	59-134	
Dichlorodifluoromethane	ug/L	ND	50	40.7	81	24-197	
Ethyl methacrylate	ug/L	ND	200	131	65	55-139	
Ethylbenzene	ug/L	ND	50	33.0	66	28-153	
Iodomethane	ug/L	ND	100	47.9	48	17-157	
Isopropylbenzene (Cumene)	ug/L	ND	50	35.5	71	18-152	
Methyl-tert-butyl ether	ug/L	ND	100	64.2	64	63-130	
Methylene Chloride	ug/L	ND	50	34.3	69	45-156	
n-Butylbenzene	ug/L	ND	50	37.6	75	10-161	
n-Hexane	ug/L	ND	50	38.2	76	33-144	N2
n-Propylbenzene	ug/L	ND	50	34.0	68	16-150	
p-Isopropyltoluene	ug/L	ND	50	35.5	71	10-163	
sec-Butylbenzene	ug/L	ND	50	35.2	70	10-160	
Styrene	ug/L	ND	50	34.2	68	36-139	
tert-Butylbenzene	ug/L	ND	50	29.9	60	12-134	
Tetrachloroethene	ug/L	ND	50	32.8	66	33-151	
Toluene	ug/L	ND	50	31.4	63	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	34.9	70	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	26.5	53	48-122	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	126	63	32-139	
Trichloroethene	ug/L	ND	50	33.5	67	50-143	
Trichlorofluoromethane	ug/L	ND	50	36.8	74	60-175	
Vinyl acetate	ug/L	ND	200	145	72	17-142	
Vinyl chloride	ug/L	ND	50	39.4	79	44-145	
Xylene (Total)	ug/L	ND	150	103	69	29-145	
4-Bromofluorobenzene (S)	%.				99	80-114	
Dibromofluoromethane (S)	%.				102	79-116	
Toluene-d8 (S)	%.				98	81-110	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

QC Batch: OEXT/34298
QC Batch Method: EPA 3510
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB Mod
Associated Lab Samples: 5089269001

METHOD BLANK: 1007396
Matrix: Water
Associated Lab Samples: 5089269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.50	11/05/13 18:46	
Tetrachloro-m-xylene (S)	%.	71	32-115	11/05/13 18:46	

LABORATORY CONTROL SAMPLE: 1007397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.4	89	50-114	
PCB-1260 (Aroclor 1260)	ug/L	5	4.0	80	44-120	
Tetrachloro-m-xylene (S)	%.			77	32-115	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

QC Batch: OEXT/34286
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAH
Associated Lab Samples: 5089269001

METHOD BLANK: 1006981 Matrix: Water
Associated Lab Samples: 5089269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2-Methylnaphthalene	ug/L	ND	1.0	11/05/13 02:46	
Acenaphthene	ug/L	ND	1.0	11/05/13 02:46	
Acenaphthylene	ug/L	ND	1.0	11/05/13 02:46	
Anthracene	ug/L	ND	0.10	11/05/13 02:46	
Benzo(a)anthracene	ug/L	ND	0.10	11/05/13 02:46	
Benzo(a)pyrene	ug/L	ND	0.10	11/05/13 02:46	
Benzo(b)fluoranthene	ug/L	ND	0.10	11/05/13 02:46	
Benzo(g,h,i)perylene	ug/L	ND	0.10	11/05/13 02:46	
Benzo(k)fluoranthene	ug/L	ND	0.10	11/05/13 02:46	
Chrysene	ug/L	ND	0.50	11/05/13 02:46	
Dibenz(a,h)anthracene	ug/L	ND	0.10	11/05/13 02:46	
Fluoranthene	ug/L	ND	1.0	11/05/13 02:46	
Fluorene	ug/L	ND	1.0	11/05/13 02:46	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	11/05/13 02:46	
Naphthalene	ug/L	ND	1.0	11/05/13 02:46	
Phenanthrene	ug/L	ND	1.0	11/05/13 02:46	
Pyrene	ug/L	ND	1.0	11/05/13 02:46	
2-Fluorobiphenyl (S)	%.	88	21-114	11/05/13 02:46	
p-Terphenyl-d14 (S)	%.	108	25-131	11/05/13 02:46	

LABORATORY CONTROL SAMPLE: 1006982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	ug/L	10	7.4	74	29-110	
Acenaphthene	ug/L	10	8.4	84	39-117	
Acenaphthylene	ug/L	10	8.6	86	40-120	
Anthracene	ug/L	10	9.1	91	48-126	
Benzo(a)anthracene	ug/L	10	9.8	98	51-134	
Benzo(a)pyrene	ug/L	10	9.5	95	48-141	
Benzo(b)fluoranthene	ug/L	10	9.9	99	49-139	
Benzo(g,h,i)perylene	ug/L	10	9.5	95	44-134	
Benzo(k)fluoranthene	ug/L	10	9.4	94	48-140	
Chrysene	ug/L	10	10.0	100	53-136	
Dibenz(a,h)anthracene	ug/L	10	9.8	98	44-132	
Fluoranthene	ug/L	10	9.5	95	50-135	
Fluorene	ug/L	10	8.6	86	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	9.7	97	45-132	
Naphthalene	ug/L	10	8.0	80	30-112	
Phenanthrene	ug/L	10	9.3	93	47-128	
Pyrene	ug/L	10	9.6	96	50-134	
2-Fluorobiphenyl (S)	%.			82	21-114	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

LABORATORY CONTROL SAMPLE: 1006982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Terphenyl-d14 (S)	%.			102	25-131	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

QC Batch: OEXT/34285
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 Water Scan
Associated Lab Samples: 5089269001

METHOD BLANK: 1006969
Matrix: Water
Associated Lab Samples: 5089269001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/L	ND	10.0	11/04/13 18:55	
2,4,6-Trichlorophenol	ug/L	ND	10.0	11/04/13 18:55	
2,4-Dichlorophenol	ug/L	ND	10.0	11/04/13 18:55	
2,4-Dimethylphenol	ug/L	ND	10.0	11/04/13 18:55	
2,4-Dinitrophenol	ug/L	ND	50.0	11/04/13 18:55	
2,4-Dinitrotoluene	ug/L	ND	10.0	11/04/13 18:55	
2,6-Dinitrotoluene	ug/L	ND	10.0	11/04/13 18:55	
2-Chloronaphthalene	ug/L	ND	10.0	11/04/13 18:55	
2-Chlorophenol	ug/L	ND	10.0	11/04/13 18:55	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	11/04/13 18:55	
2-Nitroaniline	ug/L	ND	50.0	11/04/13 18:55	
2-Nitrophenol	ug/L	ND	10.0	11/04/13 18:55	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	11/04/13 18:55	
3-Nitroaniline	ug/L	ND	50.0	11/04/13 18:55	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	11/04/13 18:55	
4-Bromophenylphenyl ether	ug/L	ND	10.0	11/04/13 18:55	
4-Chloro-3-methylphenol	ug/L	ND	20.0	11/04/13 18:55	
4-Chloroaniline	ug/L	ND	20.0	11/04/13 18:55	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	11/04/13 18:55	
4-Nitroaniline	ug/L	ND	50.0	11/04/13 18:55	
4-Nitrophenol	ug/L	ND	50.0	11/04/13 18:55	
Benzyl alcohol	ug/L	ND	20.0	11/04/13 18:55	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	11/04/13 18:55	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	11/04/13 18:55	
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	11/04/13 18:55	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	11/04/13 18:55	
Butylbenzylphthalate	ug/L	ND	10.0	11/04/13 18:55	
Di-n-butylphthalate	ug/L	ND	10.0	11/04/13 18:55	
Di-n-octylphthalate	ug/L	ND	10.0	11/04/13 18:55	
Dibenzofuran	ug/L	ND	10.0	11/04/13 18:55	
Diethylphthalate	ug/L	ND	10.0	11/04/13 18:55	
Dimethylphthalate	ug/L	ND	10.0	11/04/13 18:55	
Hexachlorocyclopentadiene	ug/L	ND	20.0	11/04/13 18:55	
Hexachloroethane	ug/L	ND	10.0	11/04/13 18:55	
Isophorone	ug/L	ND	10.0	11/04/13 18:55	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	11/04/13 18:55	
N-Nitrosodiphenylamine	ug/L	ND	10.0	11/04/13 18:55	
Nitrobenzene	ug/L	ND	5.0	11/04/13 18:55	
Phenol	ug/L	ND	10.0	11/04/13 18:55	
2,4,6-Tribromophenol (S)	%.	86	31-161	11/04/13 18:55	
2-Fluorophenol (S)	%.	33	10-67	11/04/13 18:55	
Nitrobenzene-d5 (S)	%.	69	29-126	11/04/13 18:55	
Phenol-d5 (S)	%.	16	10-47	11/04/13 18:55	

REPORT OF LABORATORY ANALYSIS

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(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

LABORATORY CONTROL SAMPLE: 1006970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/L	100	80.6	81	36-126	
2-Chlorophenol	ug/L	100	56.8	57	40-98	
4-Chloro-3-methylphenol	ug/L	100	60.8	61	43-113	
4-Nitrophenol	ug/L	100	ND	21	10-42	
N-Nitroso-di-n-propylamine	ug/L	100	66.9	67	43-120	
Phenol	ug/L	100	18.5	18	10-37	
2,4,6-Tribromophenol (S)	%.			97	31-161	
2-Fluorophenol (S)	%.			37	10-67	
Nitrobenzene-d5 (S)	%.			77	29-126	
Phenol-d5 (S)	%.			19	10-47	

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
N2	The lab does not hold TNI accreditation for this parameter.

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METHOD CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

Parameter	Matrix	Analytical Method	Preparation Method
6010 MET ICP	Water	SW-846 6010B	SW-846 3010A
7470 Mercury	Water	SW-846 7470A	SW-846 7470A
8082 GCS PCB	Water	SW-846 8082	SW-846 3510C
8260 MSV	Water	SW-846 8260B	SW-846 5030B
8270 MSSV PAH	Water	SW-846 8270C	SW-846 3510C
8270 MSSV SCAN	Water	SW-846 8270C	SW-846 3510C

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089269

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089269001	**FAW-SB05(6-8)-103113EB**	EPA 3510	OEXT/34298	EPA 8082	GCSV/11689
5089269001	**FAW-SB05(6-8)-103113EB**	EPA 3010	MPRP/12375	EPA 6010	ICP/13715
5089269001	**FAW-SB05(6-8)-103113EB**	EPA 3010	MPRP/12414	EPA 6010	ICP/13763
5089269001	**FAW-SB05(6-8)-103113EB**	EPA 7470	MERP/5011	EPA 7470	MERC/5347
5089269001	**FAW-SB05(6-8)-103113EB**	EPA 3510	OEXT/34286	EPA 8270 by SIM	MSSV/13857
5089269001	**FAW-SB05(6-8)-103113EB**	EPA 3510	OEXT/34285	EPA 8270	MSSV/13867
5089269001	**FAW-SB05(6-8)-103113EB**	EPA 8260	MSV/59266		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

VBJ

Page: 1 of 1

1737120

Section A Required Client Information:

Company: Weston Solutions
Address: 711 E. Monument Ave
Dayton OH 45402
Email To: laura.funk@westonsolutions.com
Phone: 937-531-4402 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: laura.funk@westonsolutions.com
Copy To:
Purchase Order No.:
Project Name: FAW
Project Number: 20405.016.008.2234.00

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER Ohio VAP

Site Location STATE: OH

5189269

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	SVOC	PCB	Metals	VOC	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FAW-SB05(6-8)-103113EB	WT	G	10-31	1010				8										X	X	X	X			-001
2	FAW-SB09-103113			10-31					1													X			-002
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

Cancel DRS
Laura Funk
11/6/13

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Dustin Bates	10-31	1536		10/31/13	1545	

@ Pace Indy MB 11/1/13 18:22

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dustin Bates
SIGNATURE of SAMPLER: Dustin Bates
DATE Signed (MM/DD/YY): 10/31/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Page 26 of 28

Sample Condition Upon Receipt

Pace Analytical

Client Name: Weston Solutions Project # 50892669

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 797058464271

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Date/Time 5035A kits placed in freezer _____

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used 1 2 3 4 6 A B C D E **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 0.7°C **Ice Visible in Sample Containers:** ☐ yes ☑ no

(Corrected, if applicable)

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: MB 11/1/13

Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☐No	☑N/A	5.
Rush Turn Around Time Requested:	☐Yes	☐No	☑N/A	6.
Containers Intact:	☑Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☑Yes	☐No	☐N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes	☐No	☐N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	10.
Trip Blank Present:	☑Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	12.
Sufficient Volume:	☑Yes	☐No	☐N/A	13.
Correct Containers Used:	☑Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Laura Funk Date/Time: 11/5/13 email

Comments/ Resolution: Cancel TB on this project. BH

Project Manager Review: Kenneth Flint **Date:** 11/6/13

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: Weston Solutions

COC PAGE 1 of 1
COC ID# 1737120

Project # 50892619

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1	3	4							1							
2	1															
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

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November 18, 2013

Ms. Laura Funk
Weston Solutions
711 East Monument Ave
Dayton, OH 45402

RE: Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Dear Ms. Funk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 01, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina Bedel for
Kenneth Hunt
kenneth.hunt@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5089270001	**FAW-SB04(0-2)-103113**	Solid	10/31/13 08:38	11/01/13 18:22
5089270002	**FAW-TB07-103113**	Water	10/31/13 08:38	11/01/13 18:22
5089270003	**FAW-SB04(2-4)-103113**	Solid	10/31/13 08:55	11/01/13 18:22
5089270004	**FAW-SB04(8-10)-103113**	Solid	10/31/13 09:05	11/01/13 18:22
5089270005	**FAW-SB05(0-2)-103113**	Solid	10/31/13 09:20	11/01/13 18:22
5089270006	**FAW-SB05(2-4)-103113**	Solid	10/31/13 09:25	11/01/13 18:22
5089270007	**FAW-SB05(6-8)-103113**	Solid	10/31/13 09:40	11/01/13 18:22
5089270008	**FAW-SB12(0-2)-103113**	Solid	10/31/13 10:40	11/01/13 18:22
5089270009	**FAW-SB12(2-4)-103113**	Solid	10/31/13 10:55	11/01/13 18:22
5089270010	**FAW-SB12(4-6)-103113**	Solid	10/31/13 11:07	11/01/13 18:22
5089270011	**FAW-SB10(2-4)-103113**	Solid	10/31/13 15:00	11/01/13 18:22
5089270012	**FAW-SB10(4-6)-103113**	Solid	10/31/13 15:05	11/01/13 18:22

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5089270001	**FAW-SB04(0-2)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
		EPA 9045	TPD	1	PASI-I
5089270002	**FAW-TB07-103113**	EPA 8260	BJG	68	PASI-I
5089270003	**FAW-SB04(2-4)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089270004	**FAW-SB04(8-10)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089270005	**FAW-SB05(0-2)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
		EPA 9045	TPD	1	PASI-I
5089270006	**FAW-SB05(2-4)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089270007	**FAW-SB05(6-8)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	BJG	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089270008	**FAW-SB12(0-2)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	BJG	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
		EPA 9045	TPD	1	PASI-I
5089270009	**FAW-SB12(2-4)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	BJG	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089270010	**FAW-SB12(4-6)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	GRM	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089270011	**FAW-SB10(2-4)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089270012	**FAW-SB10(4-6)-103113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I

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Indianapolis, IN 46268
(317)875-5894

SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	BJG	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
		EPA 9045	TPD	1	PASI-I

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(0-2)-103113 **Lab ID: 5089270001** Collected: 10/31/13 08:38 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**489**	mg/kg	221	55.3	10	11/04/13 12:32	11/05/13 11:31		
TPH (C10-C20)	ND	mg/kg	111	55.3	10	11/04/13 12:32	11/05/13 11:31		
TPH (C20-C34)	**456**	mg/kg	111	55.3	10	11/04/13 12:32	11/05/13 11:31		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 11:31	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	112	56.0	1	11/04/13 12:39	11/05/13 15:02	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	112	56.0	1	11/04/13 12:39	11/05/13 15:02	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	112	56.0	1	11/04/13 12:39	11/05/13 15:02	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	112	56.0	1	11/04/13 12:39	11/05/13 15:02	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	112	56.0	1	11/04/13 12:39	11/05/13 15:02	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	112	56.0	1	11/04/13 12:39	11/05/13 15:02	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	112	56.0	1	11/04/13 12:39	11/05/13 15:02	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	53	%.	30-106		1	11/04/13 12:39	11/05/13 15:02	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**9950**	mg/kg	52.6	26.3	1	11/04/13 09:26	11/05/13 10:33	7429-90-5	
Antimony	**9.2**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-36-0	
Arsenic	**13.6**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-38-2	
Barium	**942**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-39-3	
Beryllium	**0.81**	mg/kg	0.53	0.26	1	11/04/13 09:26	11/05/13 10:33	7440-41-7	
Cadmium	**6.0**	mg/kg	2.1	0.53	1	11/04/13 09:26	11/05/13 10:33	7440-43-9	
Chromium	**26.8**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-47-3	
Cobalt	**7.7**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-48-4	
Copper	**794**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-50-8	
Lead	**2520**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7439-92-1	
Nickel	**47.7**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-02-0	
Selenium	ND	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7782-49-2	
Silver	ND	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-22-4	
Thallium	**1.1J**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-28-0	
Vanadium	**20.4**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-62-2	
Zinc	**1660**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:33	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.49**	mg/kg	0.22	0.19	1	11/06/13 11:11	11/07/13 15:07	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	83-32-9	
Acenaphthylene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	208-96-8	
Anthracene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	120-12-7	
Benzo(a)anthracene	**233J**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	56-55-3	
Benzo(a)pyrene	ND	ug/kg	191	185	1	11/04/13 12:32	11/14/13 16:14	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(0-2)-103113 **Lab ID: 5089270001** Collected: 10/31/13 08:38 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**416**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	205-99-2	
Benzo(g,h,i)perylene	**186J**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	191-24-2	
Benzo(k)fluoranthene	**397**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	207-08-9	
Benzyl alcohol	ND	ug/kg	740	370	1	11/04/13 12:32	11/14/13 16:14	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	101-55-3	
Butylbenzylphthalate	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	740	370	1	11/04/13 12:32	11/14/13 16:14	59-50-7	
4-Chloroaniline	ND	ug/kg	740	370	1	11/04/13 12:32	11/14/13 16:14	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	108-60-1	
2-Chloronaphthalene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	91-58-7	
2-Chlorophenol	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	7005-72-3	
Chrysene	**297J**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	191	185	1	11/04/13 12:32	11/14/13 16:14	53-70-3	
Dibenzofuran	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	120-83-2	
Diethylphthalate	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	105-67-9	
Dimethylphthalate	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	131-11-3	
Di-n-butylphthalate	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1790	897	1	11/04/13 12:32	11/14/13 16:14	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1790	1790	1	11/04/13 12:32	11/14/13 16:14	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	606-20-2	
Di-n-octylphthalate	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	117-81-7	
Fluoranthene	**428**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	206-44-0	
Fluorene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	370	370	1	11/04/13 12:32	11/14/13 16:14	77-47-4	
Hexachloroethane	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	67-72-1	
Indeno(1,2,3-cd)pyrene	**186J**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	193-39-5	
Isophorone	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	78-59-1	
2-Methylnaphthalene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	740	370	1	11/04/13 12:32	11/14/13 16:14		
Naphthalene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	91-20-3	
2-Nitroaniline	ND	ug/kg	1790	897	1	11/04/13 12:32	11/14/13 16:14	88-74-4	
3-Nitroaniline	ND	ug/kg	1790	897	1	11/04/13 12:32	11/14/13 16:14	99-09-2	
4-Nitroaniline	ND	ug/kg	1790	897	1	11/04/13 12:32	11/14/13 16:14	100-01-6	
Nitrobenzene	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	98-95-3	
2-Nitrophenol	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	88-75-5	
4-Nitrophenol	ND	ug/kg	1790	897	1	11/04/13 12:32	11/14/13 16:14	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(0-2)-103113 **Lab ID: 5089270001** Collected: 10/31/13 08:38 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	86-30-6	
Phenanthrene	**280J**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	85-01-8	
Phenol	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	108-95-2	
Pyrene	**376**	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	370	185	1	11/04/13 12:32	11/14/13 16:14	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	54	%.	28-101		1	11/04/13 12:32	11/14/13 16:14	4165-60-0	
2-Fluorobiphenyl (S)	56	%.	31-94		1	11/04/13 12:32	11/14/13 16:14	321-60-8	
p-Terphenyl-d14 (S)	61	%.	26-110		1	11/04/13 12:32	11/14/13 16:14	1718-51-0	
Phenol-d5 (S)	51	%.	28-101		1	11/04/13 12:32	11/14/13 16:14	4165-62-2	
2-Fluorophenol (S)	53	%.	24-104		1	11/04/13 12:32	11/14/13 16:14	367-12-4	
2,4,6-Tribromophenol (S)	55	%.	16-122		1	11/04/13 12:32	11/14/13 16:14	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.8**	%	0.10	0.10	1		11/04/13 15:40		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.7**	Std. Units	0.10		1		11/04/13 12:53		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-TB07-103113 **Lab ID: 5089270002** Collected: 10/31/13 08:38 Received: 11/01/13 18:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/11/13 21:53	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/11/13 21:53	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/11/13 21:53	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/11/13 21:53	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/11/13 21:53	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/11/13 21:53	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/11/13 21:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/11/13 21:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/11/13 21:53	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/11/13 21:53	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/11/13 21:53	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/11/13 21:53	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/11/13 21:53	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-TB07-103113 **Lab ID: 5089270002** Collected: 10/31/13 08:38 Received: 11/01/13 18:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/11/13 21:53	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.0	1		11/11/13 21:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/11/13 21:53	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/11/13 21:53	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/11/13 21:53	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/11/13 21:53	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/11/13 21:53	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/11/13 21:53	110-57-6	
Surrogates									
Dibromofluoromethane (S)	110	%.	79-116		1		11/11/13 21:53	1868-53-7	
4-Bromofluorobenzene (S)	95	%.	80-114		1		11/11/13 21:53	460-00-4	
Toluene-d8 (S)	96	%.	81-110		1		11/11/13 21:53	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(2-4)-103113 **Lab ID: 5089270003** Collected: 10/31/13 08:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**12.0J**	mg/kg	21.9	5.5	1	11/04/13 12:32	11/05/13 11:38		
TPH (C10-C20)	ND	mg/kg	10.9	5.5	1	11/04/13 12:32	11/05/13 11:38		
TPH (C20-C34)	**10.8J**	mg/kg	10.9	5.5	1	11/04/13 12:32	11/05/13 11:38		
Surrogates									
n-Pentacosane (S)	97	%.	30-153		1	11/04/13 12:32	11/05/13 11:38	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	108	54.2	1	11/04/13 12:39	11/05/13 15:08	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	108	54.2	1	11/04/13 12:39	11/05/13 15:08	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	108	54.2	1	11/04/13 12:39	11/05/13 15:08	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	108	54.2	1	11/04/13 12:39	11/05/13 15:08	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	108	54.2	1	11/04/13 12:39	11/05/13 15:08	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	108	54.2	1	11/04/13 12:39	11/05/13 15:08	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	108	54.2	1	11/04/13 12:39	11/05/13 15:08	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	64	%.	30-106		1	11/04/13 12:39	11/05/13 15:08	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**8850**	mg/kg	47.1	23.6	1	11/04/13 09:26	11/05/13 10:44	7429-90-5	
Antimony	ND	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-36-0	
Arsenic	**8.6**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-38-2	
Barium	**51.8**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-39-3	
Beryllium	**0.39J**	mg/kg	0.47	0.24	1	11/04/13 09:26	11/05/13 10:44	7440-41-7	
Cadmium	ND	mg/kg	1.9	0.47	1	11/04/13 09:26	11/05/13 10:44	7440-43-9	
Chromium	**12.1**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-47-3	
Cobalt	**6.0**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-48-4	
Copper	**20.3**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-50-8	
Lead	**71.8**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7439-92-1	
Nickel	**16.9**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-02-0	
Selenium	ND	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7782-49-2	
Silver	ND	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-22-4	
Thallium	ND	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-28-0	
Vanadium	**18.3**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-62-2	
Zinc	**78.9**	mg/kg	1.9	0.94	1	11/04/13 09:26	11/05/13 10:44	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.21J**	mg/kg	0.22	0.19	1	11/06/13 11:11	11/07/13 15:17	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	83-32-9	
Acenaphthylene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	208-96-8	
Anthracene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	184	178	1	11/04/13 12:32	11/13/13 02:39	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(2-4)-103113 **Lab ID: 5089270003** Collected: 10/31/13 08:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	207-08-9	
Benzyl alcohol	ND	ug/kg	713	356	1	11/04/13 12:32	11/13/13 02:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	101-55-3	
Butylbenzylphthalate	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	713	356	1	11/04/13 12:32	11/13/13 02:39	59-50-7	
4-Chloroaniline	ND	ug/kg	713	356	1	11/04/13 12:32	11/13/13 02:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	108-60-1	
2-Chloronaphthalene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	91-58-7	
2-Chlorophenol	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	7005-72-3	
Chrysene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	184	178	1	11/04/13 12:32	11/13/13 02:39	53-70-3	
Dibenzofuran	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	120-83-2	
Diethylphthalate	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	105-67-9	
Dimethylphthalate	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	131-11-3	
Di-n-butylphthalate	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1730	864	1	11/04/13 12:32	11/13/13 02:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1730	1730	1	11/04/13 12:32	11/13/13 02:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	117-81-7	
Fluoranthene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	206-44-0	
Fluorene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	356	356	1	11/04/13 12:32	11/13/13 02:39	77-47-4	
Hexachloroethane	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	193-39-5	
Isophorone	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	78-59-1	
2-Methylnaphthalene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	713	356	1	11/04/13 12:32	11/13/13 02:39		
Naphthalene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	91-20-3	
2-Nitroaniline	ND	ug/kg	1730	864	1	11/04/13 12:32	11/13/13 02:39	88-74-4	
3-Nitroaniline	ND	ug/kg	1730	864	1	11/04/13 12:32	11/13/13 02:39	99-09-2	
4-Nitroaniline	ND	ug/kg	1730	864	1	11/04/13 12:32	11/13/13 02:39	100-01-6	
Nitrobenzene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	98-95-3	
2-Nitrophenol	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	88-75-5	
4-Nitrophenol	ND	ug/kg	1730	864	1	11/04/13 12:32	11/13/13 02:39	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(2-4)-103113 **Lab ID: 5089270003** Collected: 10/31/13 08:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	86-30-6	
Phenanthrene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	85-01-8	
Phenol	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	108-95-2	
Pyrene	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	356	178	1	11/04/13 12:32	11/13/13 02:39	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	67	%.	28-101		1	11/04/13 12:32	11/13/13 02:39	4165-60-0	
2-Fluorobiphenyl (S)	66	%.	31-94		1	11/04/13 12:32	11/13/13 02:39	321-60-8	
p-Terphenyl-d14 (S)	76	%.	26-110		1	11/04/13 12:32	11/13/13 02:39	1718-51-0	
Phenol-d5 (S)	73	%.	28-101		1	11/04/13 12:32	11/13/13 02:39	4165-62-2	
2-Fluorophenol (S)	78	%.	24-104		1	11/04/13 12:32	11/13/13 02:39	367-12-4	
2,4,6-Tribromophenol (S)	78	%.	16-122		1	11/04/13 12:32	11/13/13 02:39	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.6**	%	0.10	0.10	1		11/04/13 15:40		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(8-10)-103113 **Lab ID: 5089270004** Collected: 10/31/13 09:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**202J**	mg/kg	217	54.2	10	11/04/13 12:32	11/05/13 11:44		
TPH (C10-C20)	**61.6J**	mg/kg	108	54.2	10	11/04/13 12:32	11/05/13 11:44		
TPH (C20-C34)	**140**	mg/kg	108	54.2	10	11/04/13 12:32	11/05/13 11:44		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 11:44	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	108	53.8	1	11/04/13 12:39	11/05/13 15:14	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	108	53.8	1	11/04/13 12:39	11/05/13 15:14	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	108	53.8	1	11/04/13 12:39	11/05/13 15:14	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	108	53.8	1	11/04/13 12:39	11/05/13 15:14	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	108	53.8	1	11/04/13 12:39	11/05/13 15:14	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	108	53.8	1	11/04/13 12:39	11/05/13 15:14	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	108	53.8	1	11/04/13 12:39	11/05/13 15:14	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	51	%.	30-106		1	11/04/13 12:39	11/05/13 15:14	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7350**	mg/kg	47.8	23.9	1	11/04/13 09:26	11/05/13 10:46	7429-90-5	
Antimony	ND	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-36-0	
Arsenic	**8.7**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-38-2	
Barium	**48.9**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-39-3	
Beryllium	**0.58**	mg/kg	0.48	0.24	1	11/04/13 09:26	11/05/13 10:46	7440-41-7	
Cadmium	ND	mg/kg	1.9	0.48	1	11/04/13 09:26	11/05/13 10:46	7440-43-9	
Chromium	**11.2**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-47-3	
Cobalt	**6.1**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-48-4	
Copper	**26.9**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-50-8	
Lead	**82.8**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7439-92-1	
Nickel	**16.8**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-02-0	
Selenium	ND	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7782-49-2	
Silver	ND	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-22-4	
Thallium	ND	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-28-0	
Vanadium	**18.1**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-62-2	
Zinc	**77.8**	mg/kg	1.9	0.96	1	11/04/13 09:26	11/05/13 10:46	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.23**	mg/kg	0.22	0.18	1	11/06/13 11:11	11/07/13 15:19	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**4790**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	83-32-9	
Acenaphthylene	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	208-96-8	
Anthracene	**9330**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	120-12-7	
Benzo(a)anthracene	**9700**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	56-55-3	
Benzo(a)pyrene	**8350**	ug/kg	1840	1780	10	11/04/13 12:32	11/13/13 10:19	50-32-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(8-10)-103113 **Lab ID: 5089270004** Collected: 10/31/13 09:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**9340**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	205-99-2	
Benzo(g,h,i)perylene	**4990**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	191-24-2	
Benzo(k)fluoranthene	**4150**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	207-08-9	
Benzyl alcohol	ND	ug/kg	7130	3560	10	11/04/13 12:32	11/13/13 10:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7130	3560	10	11/04/13 12:32	11/13/13 10:19	59-50-7	
4-Chloroaniline	ND	ug/kg	7130	3560	10	11/04/13 12:32	11/13/13 10:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	91-58-7	
2-Chlorophenol	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	7005-72-3	
Chrysene	**8090**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1840	1780	10	11/04/13 12:32	11/13/13 10:19	53-70-3	
Dibenzofuran	**4440**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	120-83-2	
Diethylphthalate	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	105-67-9	
Dimethylphthalate	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17300	8640	10	11/04/13 12:32	11/13/13 10:19	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17300	17300	10	11/04/13 12:32	11/13/13 10:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	117-81-7	
Fluoranthene	**23700**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	206-44-0	
Fluorene	**5160**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3560	3560	10	11/04/13 12:32	11/13/13 10:19	77-47-4	
Hexachloroethane	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	67-72-1	
Indeno(1,2,3-cd)pyrene	**4450**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	193-39-5	
Isophorone	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	78-59-1	
2-Methylnaphthalene	**2180J**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7130	3560	10	11/04/13 12:32	11/13/13 10:19		
Naphthalene	**5450**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	91-20-3	
2-Nitroaniline	ND	ug/kg	17300	8640	10	11/04/13 12:32	11/13/13 10:19	88-74-4	
3-Nitroaniline	ND	ug/kg	17300	8640	10	11/04/13 12:32	11/13/13 10:19	99-09-2	
4-Nitroaniline	ND	ug/kg	17300	8640	10	11/04/13 12:32	11/13/13 10:19	100-01-6	
Nitrobenzene	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	98-95-3	
2-Nitrophenol	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	88-75-5	
4-Nitrophenol	ND	ug/kg	17300	8640	10	11/04/13 12:32	11/13/13 10:19	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB04(8-10)-103113 **Lab ID: 5089270004** Collected: 10/31/13 09:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	86-30-6	
Phenanthrene	**32500**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	85-01-8	
Phenol	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	108-95-2	1d
Pyrene	**18200**	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3560	1780	10	11/04/13 12:32	11/13/13 10:19	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	72	%.	28-101		10	11/04/13 12:32	11/13/13 10:19	4165-60-0	
2-Fluorobiphenyl (S)	75	%.	31-94		10	11/04/13 12:32	11/13/13 10:19	321-60-8	
p-Terphenyl-d14 (S)	85	%.	26-110		10	11/04/13 12:32	11/13/13 10:19	1718-51-0	
Phenol-d5 (S)	71	%.	28-101		10	11/04/13 12:32	11/13/13 10:19	4165-62-2	
2-Fluorophenol (S)	73	%.	24-104		10	11/04/13 12:32	11/13/13 10:19	367-12-4	
2,4,6-Tribromophenol (S)	80	%.	16-122		10	11/04/13 12:32	11/13/13 10:19	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.0**	%	0.10	0.10	1		11/04/13 15:41		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(0-2)-103113 **Lab ID: 5089270005** Collected: 10/31/13 09:20 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**230**	mg/kg	226	56.4	10	11/04/13 12:32	11/05/13 11:51		
TPH (C10-C20)	ND	mg/kg	113	56.4	10	11/04/13 12:32	11/05/13 11:51		
TPH (C20-C34)	**224**	mg/kg	113	56.4	10	11/04/13 12:32	11/05/13 11:51		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 11:51	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1120	560	10	11/04/13 12:39	11/05/13 15:20	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1120	560	10	11/04/13 12:39	11/05/13 15:20	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1120	560	10	11/04/13 12:39	11/05/13 15:20	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1120	560	10	11/04/13 12:39	11/05/13 15:20	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1120	560	10	11/04/13 12:39	11/05/13 15:20	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1120	560	10	11/04/13 12:39	11/05/13 15:20	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1120	560	10	11/04/13 12:39	11/05/13 15:20	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/04/13 12:39	11/05/13 15:20	877-09-8	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**6140**	mg/kg	48.4	24.2	1	11/04/13 09:26	11/05/13 10:53	7429-90-5	
Antimony	**2.9**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-36-0	
Arsenic	**97.0**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-38-2	
Barium	**55.7**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-39-3	
Beryllium	**0.48J**	mg/kg	0.48	0.24	1	11/04/13 09:26	11/05/13 10:53	7440-41-7	
Cadmium	**2.1**	mg/kg	1.9	0.48	1	11/04/13 09:26	11/05/13 10:53	7440-43-9	
Chromium	**66.9**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-47-3	
Cobalt	**4.8**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-48-4	
Copper	**47.3**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-50-8	
Lead	**134**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7439-92-1	
Nickel	**26.9**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-02-0	
Selenium	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7782-49-2	
Silver	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-22-4	
Thallium	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-28-0	
Vanadium	**72.1**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-62-2	
Zinc	**341**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 10:53	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	0.20	1	11/06/13 11:11	11/07/13 15:21	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	83-32-9	
Acenaphthylene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	208-96-8	
Anthracene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	120-12-7	
Benzo(a)anthracene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	56-55-3	
Benzo(a)pyrene	ND	ug/kg	9520	9240	10	11/04/13 12:32	11/13/13 16:27	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(0-2)-103113 **Lab ID: 5089270005** Collected: 10/31/13 09:20 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	207-08-9	
Benzyl alcohol	ND	ug/kg	37000	18500	10	11/04/13 12:32	11/13/13 16:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	101-55-3	
Butylbenzylphthalate	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	37000	18500	10	11/04/13 12:32	11/13/13 16:27	59-50-7	
4-Chloroaniline	ND	ug/kg	37000	18500	10	11/04/13 12:32	11/13/13 16:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	108-60-1	
2-Chloronaphthalene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	91-58-7	
2-Chlorophenol	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	7005-72-3	
Chrysene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	9520	9240	10	11/04/13 12:32	11/13/13 16:27	53-70-3	
Dibenzofuran	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	120-83-2	
Diethylphthalate	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	105-67-9	
Dimethylphthalate	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	131-11-3	
Di-n-butylphthalate	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	89600	44800	10	11/04/13 12:32	11/13/13 16:27	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	89600	89600	10	11/04/13 12:32	11/13/13 16:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	606-20-2	
Di-n-octylphthalate	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	117-81-7	
Fluoranthene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	206-44-0	
Fluorene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	18500	18500	10	11/04/13 12:32	11/13/13 16:27	77-47-4	
Hexachloroethane	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	193-39-5	
Isophorone	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	78-59-1	
2-Methylnaphthalene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	37000	18500	10	11/04/13 12:32	11/13/13 16:27		
Naphthalene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	91-20-3	
2-Nitroaniline	ND	ug/kg	89600	44800	10	11/04/13 12:32	11/13/13 16:27	88-74-4	
3-Nitroaniline	ND	ug/kg	89600	44800	10	11/04/13 12:32	11/13/13 16:27	99-09-2	
4-Nitroaniline	ND	ug/kg	89600	44800	10	11/04/13 12:32	11/13/13 16:27	100-01-6	
Nitrobenzene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	98-95-3	
2-Nitrophenol	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	88-75-5	
4-Nitrophenol	ND	ug/kg	89600	44800	10	11/04/13 12:32	11/13/13 16:27	100-02-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(0-2)-103113 **Lab ID: 5089270005** Collected: 10/31/13 09:20 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	86-30-6	
Phenanthrene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	85-01-8	
Phenol	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	108-95-2	1d,P3
Pyrene	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	18500	9240	10	11/04/13 12:32	11/13/13 16:27	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	0	%.	28-101		10	11/04/13 12:32	11/13/13 16:27	4165-60-0	S4
2-Fluorobiphenyl (S)	0	%.	31-94		10	11/04/13 12:32	11/13/13 16:27	321-60-8	S4
p-Terphenyl-d14 (S)	0	%.	26-110		10	11/04/13 12:32	11/13/13 16:27	1718-51-0	S4
Phenol-d5 (S)	0	%.	28-101		10	11/04/13 12:32	11/13/13 16:27	4165-62-2	S4
2-Fluorophenol (S)	0	%.	24-104		10	11/04/13 12:32	11/13/13 16:27	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%.	16-122		10	11/04/13 12:32	11/13/13 16:27	118-79-6	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.6**	%	0.10	0.10	1		11/04/13 15:41		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.2**	Std. Units	0.10		1		11/04/13 12:54		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(2-4)-103113 **Lab ID: 5089270006** Collected: 10/31/13 09:25 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**503**	mg/kg	237	59.2	10	11/04/13 12:32	11/05/13 11:58		
TPH (C10-C20)	ND	mg/kg	118	59.2	10	11/04/13 12:32	11/05/13 11:58		
TPH (C20-C34)	**488**	mg/kg	118	59.2	10	11/04/13 12:32	11/05/13 11:58		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 11:58	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/05/13 15:26	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/05/13 15:26	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/05/13 15:26	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/05/13 15:26	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/05/13 15:26	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/05/13 15:26	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/05/13 15:26	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/04/13 12:39	11/05/13 15:26	877-09-8	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**9030**	mg/kg	57.2	28.6	1	11/04/13 09:26	11/05/13 10:55	7429-90-5	
Antimony	ND	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-36-0	
Arsenic	**107**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-38-2	
Barium	**128**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-39-3	
Beryllium	**0.53J**	mg/kg	0.57	0.29	1	11/04/13 09:26	11/05/13 10:55	7440-41-7	
Cadmium	**3.1**	mg/kg	2.3	0.57	1	11/04/13 09:26	11/05/13 10:55	7440-43-9	
Chromium	**284**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-47-3	
Cobalt	**7.5**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-48-4	
Copper	**198**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-50-8	
Lead	**290**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7439-92-1	
Nickel	**30.2**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-02-0	
Selenium	ND	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7782-49-2	
Silver	ND	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-22-4	
Thallium	ND	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-28-0	
Vanadium	**94.5**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-62-2	
Zinc	**729**	mg/kg	2.3	1.1	1	11/04/13 09:26	11/05/13 10:55	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	0.20	1	11/06/13 11:11	11/07/13 15:23	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	83-32-9	
Acenaphthylene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	208-96-8	
Anthracene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	56-55-3	
Benzo(a)pyrene	ND	ug/kg	2020	1960	10	11/04/13 12:32	11/13/13 16:07	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(2-4)-103113 **Lab ID: 5089270006** Collected: 10/31/13 09:25 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	207-08-9	
Benzyl alcohol	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 16:07	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 16:07	59-50-7	
4-Chloroaniline	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 16:07	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	91-58-7	
2-Chlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	7005-72-3	
Chrysene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2020	1960	10	11/04/13 12:32	11/13/13 16:07	53-70-3	
Dibenzofuran	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	120-83-2	
Diethylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	105-67-9	
Dimethylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19000	9510	10	11/04/13 12:32	11/13/13 16:07	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19000	19000	10	11/04/13 12:32	11/13/13 16:07	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	117-84-0	
bis(2-Ethylhexyl)phthalate	**13500**	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	117-81-7	
Fluoranthene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	206-44-0	
Fluorene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3920	3920	10	11/04/13 12:32	11/13/13 16:07	77-47-4	
Hexachloroethane	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	193-39-5	
Isophorone	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 16:07		
Naphthalene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	91-20-3	
2-Nitroaniline	ND	ug/kg	19000	9510	10	11/04/13 12:32	11/13/13 16:07	88-74-4	
3-Nitroaniline	ND	ug/kg	19000	9510	10	11/04/13 12:32	11/13/13 16:07	99-09-2	
4-Nitroaniline	ND	ug/kg	19000	9510	10	11/04/13 12:32	11/13/13 16:07	100-01-6	
Nitrobenzene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	98-95-3	
2-Nitrophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	88-75-5	
4-Nitrophenol	ND	ug/kg	19000	9510	10	11/04/13 12:32	11/13/13 16:07	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(2-4)-103113 **Lab ID: 5089270006** Collected: 10/31/13 09:25 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	86-30-6	
Phenanthrene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	85-01-8	
Phenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	108-95-2	1d
Pyrene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 16:07	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	53	%.	28-101		10	11/04/13 12:32	11/13/13 16:07	4165-60-0	
2-Fluorobiphenyl (S)	56	%.	31-94		10	11/04/13 12:32	11/13/13 16:07	321-60-8	
p-Terphenyl-d14 (S)	73	%.	26-110		10	11/04/13 12:32	11/13/13 16:07	1718-51-0	
Phenol-d5 (S)	57	%.	28-101		10	11/04/13 12:32	11/13/13 16:07	4165-62-2	
2-Fluorophenol (S)	57	%.	24-104		10	11/04/13 12:32	11/13/13 16:07	367-12-4	
2,4,6-Tribromophenol (S)	58	%.	16-122		10	11/04/13 12:32	11/13/13 16:07	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.4**	%	0.10	0.10	1		11/04/13 15:41		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(6-8)-103113 **Lab ID: 5089270007** Collected: 10/31/13 09:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**1070**	mg/kg	111	27.7	5	11/04/13 12:32	11/05/13 12:04		
TPH (C10-C20)	**152**	mg/kg	55.4	27.7	5	11/04/13 12:32	11/05/13 12:04		
TPH (C20-C34)	**915**	mg/kg	55.4	27.7	5	11/04/13 12:32	11/05/13 12:04		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		5	11/04/13 12:32	11/05/13 12:04	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	110	55.2	1	11/04/13 12:39	11/05/13 15:32	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	110	55.2	1	11/04/13 12:39	11/05/13 15:32	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	110	55.2	1	11/04/13 12:39	11/05/13 15:32	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	110	55.2	1	11/04/13 12:39	11/05/13 15:32	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	110	55.2	1	11/04/13 12:39	11/05/13 15:32	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	110	55.2	1	11/04/13 12:39	11/05/13 15:32	11097-69-1	
PCB-1260 (Aroclor 1260)	**205**	ug/kg	110	55.2	1	11/04/13 12:39	11/05/13 15:32	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	40	%.	30-106		1	11/04/13 12:39	11/05/13 15:32	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.94	0.47	1		11/08/13 04:31		
Surrogates									
4-Bromofluorobenzene (S)	92	%.	38-163		1		11/08/13 04:31	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7300**	mg/kg	53.4	26.7	1	11/04/13 09:26	11/05/13 10:57	7429-90-5	
Antimony	**3.7**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-36-0	
Arsenic	**10.5**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-38-2	
Barium	**201**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-39-3	
Beryllium	**0.39J**	mg/kg	0.53	0.27	1	11/04/13 09:26	11/05/13 10:57	7440-41-7	
Cadmium	**1.9J**	mg/kg	2.1	0.53	1	11/04/13 09:26	11/05/13 10:57	7440-43-9	
Chromium	**15.1**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-47-3	
Cobalt	**5.5**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-48-4	
Copper	**63.9**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-50-8	
Lead	**212**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7439-92-1	
Nickel	**20.7**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-02-0	
Selenium	ND	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7782-49-2	
Silver	ND	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-22-4	
Thallium	ND	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-28-0	
Vanadium	**16.8**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-62-2	
Zinc	**524**	mg/kg	2.1	1.1	1	11/04/13 09:26	11/05/13 10:57	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	0.20	1	11/06/13 11:11	11/07/13 15:25	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(6-8)-103113 **Lab ID: 5089270007** Collected: 10/31/13 09:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	83-32-9	
Acenaphthylene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	208-96-8	
Anthracene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	120-12-7	
Benzo(a)anthracene	**3540J**	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	56-55-3	
Benzo(a)pyrene	**2840**	ug/kg	1880	1830	10	11/04/13 12:32	11/13/13 09:59	50-32-8	
Benzo(b)fluoranthene	**4870**	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	191-24-2	
Benzo(k)fluoranthene	**4380**	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	207-08-9	
Benzyl alcohol	ND	ug/kg	7310	3650	10	11/04/13 12:32	11/13/13 09:59	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7310	3650	10	11/04/13 12:32	11/13/13 09:59	59-50-7	
4-Chloroaniline	ND	ug/kg	7310	3650	10	11/04/13 12:32	11/13/13 09:59	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	91-58-7	
2-Chlorophenol	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	7005-72-3	
Chrysene	**3220J**	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1880	1830	10	11/04/13 12:32	11/13/13 09:59	53-70-3	
Dibenzofuran	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	120-83-2	
Diethylphthalate	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	105-67-9	
Dimethylphthalate	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17700	8860	10	11/04/13 12:32	11/13/13 09:59	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17700	17700	10	11/04/13 12:32	11/13/13 09:59	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	117-81-7	
Fluoranthene	**6850**	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	206-44-0	
Fluorene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3650	3650	10	11/04/13 12:32	11/13/13 09:59	77-47-4	
Hexachloroethane	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	193-39-5	
Isophorone	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7310	3650	10	11/04/13 12:32	11/13/13 09:59		
Naphthalene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	91-20-3	
2-Nitroaniline	ND	ug/kg	17700	8860	10	11/04/13 12:32	11/13/13 09:59	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(6-8)-103113 **Lab ID: 5089270007** Collected: 10/31/13 09:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	17700	8860	10	11/04/13 12:32	11/13/13 09:59	99-09-2	
4-Nitroaniline	ND	ug/kg	17700	8860	10	11/04/13 12:32	11/13/13 09:59	100-01-6	
Nitrobenzene	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	98-95-3	
2-Nitrophenol	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	88-75-5	
4-Nitrophenol	ND	ug/kg	17700	8860	10	11/04/13 12:32	11/13/13 09:59	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	86-30-6	
Phenanthrene	**5930**	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	85-01-8	
Phenol	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	108-95-2	1d
Pyrene	**5280**	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3650	1830	10	11/04/13 12:32	11/13/13 09:59	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	56	%.	28-101		10	11/04/13 12:32	11/13/13 09:59	4165-60-0	
2-Fluorobiphenyl (S)	61	%.	31-94		10	11/04/13 12:32	11/13/13 09:59	321-60-8	
p-Terphenyl-d14 (S)	69	%.	26-110		10	11/04/13 12:32	11/13/13 09:59	1718-51-0	
Phenol-d5 (S)	50	%.	28-101		10	11/04/13 12:32	11/13/13 09:59	4165-62-2	
2-Fluorophenol (S)	27	%.	24-104		10	11/04/13 12:32	11/13/13 09:59	367-12-4	
2,4,6-Tribromophenol (S)	0	%.	16-122		10	11/04/13 12:32	11/13/13 09:59	118-79-6	S4
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.052	0.026	1		11/12/13 08:05	67-64-1	
Acrolein	ND	mg/kg	0.052	0.026	1		11/12/13 08:05	107-02-8	
Benzene	ND	mg/kg	0.0026	0.00052	1		11/12/13 08:05	71-43-2	
Bromobenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	108-86-1	
Bromochloromethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0026	0.0014	1		11/12/13 08:05	75-27-4	
Bromoform	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	75-25-2	
Bromomethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.013	0.0062	1		11/12/13 08:05	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	98-06-6	
Carbon disulfide	ND	mg/kg	0.0052	0.0027	1		11/12/13 08:05	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	56-23-5	
Chlorobenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	108-90-7	
Chloroethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	75-00-3	
Chloroform	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	67-66-3	
Chloromethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	124-48-1	
Dibromomethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(6-8)-103113 **Lab ID: 5089270007** Collected: 10/31/13 09:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.052	0.026	1		11/12/13 08:05	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0026	0.0014	1		11/12/13 08:05	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0026	0.0014	1		11/12/13 08:05	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.052	0.026	1		11/12/13 08:05	97-63-2	
n-Hexane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	110-54-3	N2
2-Hexanone	ND	mg/kg	0.052	0.026	1		11/12/13 08:05	591-78-6	
Iodomethane	ND	mg/kg	0.052	0.026	1		11/12/13 08:05	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	99-87-6	
Methylene Chloride	ND	mg/kg	0.010	0.0052	1		11/12/13 08:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.013	0.0062	1		11/12/13 08:05	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	103-65-1	
Styrene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0026	0.00068	1		11/12/13 08:05	127-18-4	
Toluene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	79-00-5	
Trichloroethene	**0.045**	mg/kg	0.0026	0.00052	1		11/12/13 08:05	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	75-69-4	
1,2,4-Trimethylbenzene	**0.0065**	mg/kg	0.0026	0.0013	1		11/12/13 08:05	95-63-6	
1,3,5-Trimethylbenzene	**0.0026**	mg/kg	0.0026	0.0013	1		11/12/13 08:05	108-67-8	
Vinyl acetate	ND	mg/kg	0.052	0.026	1		11/12/13 08:05	108-05-4	
Vinyl chloride	ND	mg/kg	0.0026	0.0013	1		11/12/13 08:05	75-01-4	
Xylene (Total)	ND	mg/kg	0.0052	0.0026	1		11/12/13 08:05	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	122	%.	85-118		1		11/12/13 08:05	1868-53-7	4d
Toluene-d8 (S)	100	%.	71-128		1		11/12/13 08:05	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB05(6-8)-103113 **Lab ID: 5089270007** Collected: 10/31/13 09:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	86	%.	56-144		1		11/12/13 08:05	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10**	%	0.10	0.10	1		11/04/13 15:41		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(0-2)-103113 **Lab ID: 5089270008** Collected: 10/31/13 10:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**503**	mg/kg	237	59.3	10	11/04/13 12:32	11/05/13 12:11		
TPH (C10-C20)	ND	mg/kg	119	59.3	10	11/04/13 12:32	11/05/13 12:11		
TPH (C20-C34)	**451**	mg/kg	119	59.3	10	11/04/13 12:32	11/05/13 12:11		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 12:11	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	595	297	5	11/04/13 12:39	11/07/13 17:13	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	595	297	5	11/04/13 12:39	11/07/13 17:13	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	595	297	5	11/04/13 12:39	11/07/13 17:13	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	595	297	5	11/04/13 12:39	11/07/13 17:13	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	595	297	5	11/04/13 12:39	11/07/13 17:13	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	595	297	5	11/04/13 12:39	11/07/13 17:13	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	595	297	5	11/04/13 12:39	11/07/13 17:13	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	50	%.	30-106		5	11/04/13 12:39	11/07/13 17:13	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.1	0.54	1		11/08/13 04:56		
Surrogates									
4-Bromofluorobenzene (S)	115	%.	38-163		1		11/08/13 04:56	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**8100**	mg/kg	55.7	27.8	1	11/04/13 09:26	11/05/13 10:59	7429-90-5	
Antimony	**3.6**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-36-0	
Arsenic	**16.4**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-38-2	
Barium	**271**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-39-3	
Beryllium	**0.75**	mg/kg	0.56	0.28	1	11/04/13 09:26	11/05/13 10:59	7440-41-7	
Cadmium	**12.7**	mg/kg	2.2	0.56	1	11/04/13 09:26	11/05/13 10:59	7440-43-9	
Chromium	**35.8**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-47-3	
Cobalt	**6.6**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-48-4	
Copper	**241**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-50-8	
Lead	**735**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7439-92-1	
Nickel	**59.8**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7782-49-2	
Silver	**1.2J**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-28-0	
Vanadium	**22.4**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-62-2	
Zinc	**2160**	mg/kg	2.2	1.1	1	11/04/13 09:26	11/05/13 10:59	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.49**	mg/kg	0.24	0.21	1	11/06/13 11:11	11/07/13 15:27	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(0-2)-103113 **Lab ID: 5089270008** Collected: 10/31/13 10:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	83-32-9	
Acenaphthylene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	208-96-8	
Anthracene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	56-55-3	
Benzo(a)pyrene	ND	ug/kg	2020	1960	10	11/04/13 12:32	11/13/13 16:47	50-32-8	
Benzo(b)fluoranthene	**2960J**	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	191-24-2	
Benzo(k)fluoranthene	**2660J**	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	207-08-9	
Benzyl alcohol	ND	ug/kg	7830	3910	10	11/04/13 12:32	11/13/13 16:47	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7830	3910	10	11/04/13 12:32	11/13/13 16:47	59-50-7	
4-Chloroaniline	ND	ug/kg	7830	3910	10	11/04/13 12:32	11/13/13 16:47	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	91-58-7	
2-Chlorophenol	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	7005-72-3	
Chrysene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2020	1960	10	11/04/13 12:32	11/13/13 16:47	53-70-3	
Dibenzofuran	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	120-83-2	
Diethylphthalate	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	105-67-9	
Dimethylphthalate	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19000	9490	10	11/04/13 12:32	11/13/13 16:47	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19000	19000	10	11/04/13 12:32	11/13/13 16:47	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	117-84-0	
bis(2-Ethylhexyl)phthalate	**2210J**	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	117-81-7	
Fluoranthene	**4070**	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	206-44-0	
Fluorene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3910	3910	10	11/04/13 12:32	11/13/13 16:47	77-47-4	
Hexachloroethane	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	193-39-5	
Isophorone	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7830	3910	10	11/04/13 12:32	11/13/13 16:47		
Naphthalene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	91-20-3	
2-Nitroaniline	ND	ug/kg	19000	9490	10	11/04/13 12:32	11/13/13 16:47	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(0-2)-103113 **Lab ID: 5089270008** Collected: 10/31/13 10:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	19000	9490	10	11/04/13 12:32	11/13/13 16:47	99-09-2	
4-Nitroaniline	ND	ug/kg	19000	9490	10	11/04/13 12:32	11/13/13 16:47	100-01-6	
Nitrobenzene	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	98-95-3	
2-Nitrophenol	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	88-75-5	
4-Nitrophenol	ND	ug/kg	19000	9490	10	11/04/13 12:32	11/13/13 16:47	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	86-30-6	
Phenanthrene	**4330**	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	85-01-8	
Phenol	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	108-95-2	1d
Pyrene	**3050J**	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3910	1960	10	11/04/13 12:32	11/13/13 16:47	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	55	%.	28-101		10	11/04/13 12:32	11/13/13 16:47	4165-60-0	
2-Fluorobiphenyl (S)	58	%.	31-94		10	11/04/13 12:32	11/13/13 16:47	321-60-8	
p-Terphenyl-d14 (S)	64	%.	26-110		10	11/04/13 12:32	11/13/13 16:47	1718-51-0	
Phenol-d5 (S)	56	%.	28-101		10	11/04/13 12:32	11/13/13 16:47	4165-62-2	
2-Fluorophenol (S)	54	%.	24-104		10	11/04/13 12:32	11/13/13 16:47	367-12-4	
2,4,6-Tribromophenol (S)	61	%.	16-122		10	11/04/13 12:32	11/13/13 16:47	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.12	0.059	1		11/12/13 08:44	67-64-1	
Acrolein	ND	mg/kg	0.12	0.059	1		11/12/13 08:44	107-02-8	
Benzene	ND	mg/kg	0.0059	0.0012	1		11/12/13 08:44	71-43-2	
Bromobenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	108-86-1	
Bromochloromethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0059	0.0031	1		11/12/13 08:44	75-27-4	
Bromoform	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	75-25-2	
Bromomethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.030	0.014	1		11/12/13 08:44	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	98-06-6	
Carbon disulfide	ND	mg/kg	0.012	0.0060	1		11/12/13 08:44	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	56-23-5	
Chlorobenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	108-90-7	
Chloroethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	75-00-3	
Chloroform	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	67-66-3	
Chloromethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	124-48-1	
Dibromomethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(0-2)-103113 **Lab ID: 5089270008** Collected: 10/31/13 10:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.12	0.059	1		11/12/13 08:44	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0059	0.0031	1		11/12/13 08:44	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0059	0.0032	1		11/12/13 08:44	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.12	0.059	1		11/12/13 08:44	97-63-2	
n-Hexane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	110-54-3	N2
2-Hexanone	ND	mg/kg	0.12	0.059	1		11/12/13 08:44	591-78-6	
Iodomethane	ND	mg/kg	0.12	0.059	1		11/12/13 08:44	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	99-87-6	
Methylene Chloride	ND	mg/kg	0.024	0.012	1		11/12/13 08:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.030	0.014	1		11/12/13 08:44	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	103-65-1	
Styrene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0059	0.0015	1		11/12/13 08:44	127-18-4	
Toluene	**0.0045J**	mg/kg	0.0059	0.0030	1		11/12/13 08:44	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	79-00-5	
Trichloroethene	ND	mg/kg	0.0059	0.0012	1		11/12/13 08:44	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	108-67-8	
Vinyl acetate	ND	mg/kg	0.12	0.059	1		11/12/13 08:44	108-05-4	
Vinyl chloride	ND	mg/kg	0.0059	0.0030	1		11/12/13 08:44	75-01-4	
Xylene (Total)	ND	mg/kg	0.012	0.0059	1		11/12/13 08:44	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	118	%.	85-118		1		11/12/13 08:44	1868-53-7	
Toluene-d8 (S)	116	%.	71-128		1		11/12/13 08:44	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(0-2)-103113 **Lab ID: 5089270008** Collected: 10/31/13 10:40 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	85	%.	56-144		1		11/12/13 08:44	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.5**	%	0.10	0.10	1		11/04/13 15:41		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.4**	Std. Units	0.10		1		11/04/13 12:55		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(2-4)-103113 **Lab ID: 5089270009** Collected: 10/31/13 10:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**109J**	mg/kg	115	28.7	5	11/04/13 12:32	11/05/13 12:18		
TPH (C10-C20)	ND	mg/kg	57.3	28.7	5	11/04/13 12:32	11/05/13 12:18		
TPH (C20-C34)	**84.7**	mg/kg	57.3	28.7	5	11/04/13 12:32	11/05/13 12:18		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		5	11/04/13 12:32	11/05/13 12:18	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	115	57.3	1	11/04/13 12:39	11/05/13 15:44	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	115	57.3	1	11/04/13 12:39	11/05/13 15:44	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	115	57.3	1	11/04/13 12:39	11/05/13 15:44	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	115	57.3	1	11/04/13 12:39	11/05/13 15:44	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	115	57.3	1	11/04/13 12:39	11/05/13 15:44	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	115	57.3	1	11/04/13 12:39	11/05/13 15:44	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	115	57.3	1	11/04/13 12:39	11/05/13 15:44	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	48	%.	30-106		1	11/04/13 12:39	11/05/13 15:44	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.94	0.47	1		11/08/13 05:21		
Surrogates									
4-Bromofluorobenzene (S)	112	%.	38-163		1		11/08/13 05:21	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7990**	mg/kg	51.5	25.8	1	11/04/13 09:26	11/05/13 11:02	7429-90-5	
Antimony	ND	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-36-0	
Arsenic	**10.9**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-38-2	
Barium	**73.2**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-39-3	
Beryllium	**0.64**	mg/kg	0.52	0.26	1	11/04/13 09:26	11/05/13 11:02	7440-41-7	
Cadmium	**1.2J**	mg/kg	2.1	0.52	1	11/04/13 09:26	11/05/13 11:02	7440-43-9	
Chromium	**13.1**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-47-3	
Cobalt	**6.2**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-48-4	
Copper	**27.2**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-50-8	
Lead	**148**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7439-92-1	
Nickel	**18.4**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-02-0	
Selenium	ND	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7782-49-2	
Silver	ND	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-22-4	
Thallium	ND	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-28-0	
Vanadium	**17.4**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-62-2	
Zinc	**354**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:02	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.80**	mg/kg	0.24	0.20	1	11/06/13 11:11	11/07/13 15:29	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(2-4)-103113 **Lab ID: 5089270009** Collected: 10/31/13 10:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**787**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	83-32-9	
Acenaphthylene	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	208-96-8	
Anthracene	**2170**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	120-12-7	
Benzo(a)anthracene	**4060**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	56-55-3	
Benzo(a)pyrene	**3220**	ug/kg	194	189	1	11/04/13 12:32	11/13/13 12:46	50-32-8	
Benzo(b)fluoranthene	**4120**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	205-99-2	
Benzo(g,h,i)perylene	**1620**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	191-24-2	
Benzo(k)fluoranthene	**1560**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	207-08-9	
Benzyl alcohol	ND	ug/kg	754	377	1	11/04/13 12:32	11/13/13 12:46	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	101-55-3	
Butylbenzylphthalate	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	754	377	1	11/04/13 12:32	11/13/13 12:46	59-50-7	
4-Chloroaniline	ND	ug/kg	754	377	1	11/04/13 12:32	11/13/13 12:46	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	108-60-1	
2-Chloronaphthalene	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	91-58-7	
2-Chlorophenol	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	7005-72-3	
Chrysene	**3220**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	218-01-9	
Dibenz(a,h)anthracene	**484**	ug/kg	194	189	1	11/04/13 12:32	11/13/13 12:46	53-70-3	
Dibenzofuran	**471**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	120-83-2	
Diethylphthalate	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	105-67-9	
Dimethylphthalate	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	131-11-3	
Di-n-butylphthalate	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1830	914	1	11/04/13 12:32	11/13/13 12:46	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1830	1830	1	11/04/13 12:32	11/13/13 12:46	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	606-20-2	
Di-n-octylphthalate	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	117-81-7	
Fluoranthene	**8340**	ug/kg	3770	1890	10	11/04/13 12:32	11/14/13 15:53	206-44-0	
Fluorene	**873**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	377	377	1	11/04/13 12:32	11/13/13 12:46	77-47-4	
Hexachloroethane	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	67-72-1	
Indeno(1,2,3-cd)pyrene	**1510**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	193-39-5	
Isophorone	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	78-59-1	
2-Methylnaphthalene	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	754	377	1	11/04/13 12:32	11/13/13 12:46		
Naphthalene	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	91-20-3	
2-Nitroaniline	ND	ug/kg	1830	914	1	11/04/13 12:32	11/13/13 12:46	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(2-4)-103113 **Lab ID: 5089270009** Collected: 10/31/13 10:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	1830	914	1	11/04/13 12:32	11/13/13 12:46	99-09-2	
4-Nitroaniline	ND	ug/kg	1830	914	1	11/04/13 12:32	11/13/13 12:46	100-01-6	
Nitrobenzene	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	98-95-3	
2-Nitrophenol	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	88-75-5	
4-Nitrophenol	ND	ug/kg	1830	914	1	11/04/13 12:32	11/13/13 12:46	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	86-30-6	
Phenanthrene	**7530**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	85-01-8	
Phenol	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	108-95-2	
Pyrene	**6520**	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	377	189	1	11/04/13 12:32	11/13/13 12:46	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	75	%.	28-101		1	11/04/13 12:32	11/13/13 12:46	4165-60-0	
2-Fluorobiphenyl (S)	69	%.	31-94		1	11/04/13 12:32	11/13/13 12:46	321-60-8	
p-Terphenyl-d14 (S)	81	%.	26-110		1	11/04/13 12:32	11/13/13 12:46	1718-51-0	
Phenol-d5 (S)	87	%.	28-101		1	11/04/13 12:32	11/13/13 12:46	4165-62-2	
2-Fluorophenol (S)	86	%.	24-104		1	11/04/13 12:32	11/13/13 12:46	367-12-4	
2,4,6-Tribromophenol (S)	87	%.	16-122		1	11/04/13 12:32	11/13/13 12:46	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.092	0.046	1		11/12/13 09:23	67-64-1	
Acrolein	ND	mg/kg	0.092	0.046	1		11/12/13 09:23	107-02-8	
Benzene	ND	mg/kg	0.0046	0.00092	1		11/12/13 09:23	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	0.0024	1		11/12/13 09:23	75-27-4	
Bromoform	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	0.011	1		11/12/13 09:23	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	98-06-6	
Carbon disulfide	ND	mg/kg	0.0092	0.0047	1		11/12/13 09:23	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	108-90-7	
Chloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	124-48-1	
Dibromomethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(2-4)-103113 **Lab ID: 5089270009** Collected: 10/31/13 10:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.092	0.046	1		11/12/13 09:23	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0024	1		11/12/13 09:23	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0025	1		11/12/13 09:23	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.092	0.046	1		11/12/13 09:23	97-63-2	
n-Hexane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	110-54-3	N2
2-Hexanone	ND	mg/kg	0.092	0.046	1		11/12/13 09:23	591-78-6	
Iodomethane	ND	mg/kg	0.092	0.046	1		11/12/13 09:23	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	0.0092	1		11/12/13 09:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	0.011	1		11/12/13 09:23	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	103-65-1	
Styrene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0012	1		11/12/13 09:23	127-18-4	
Toluene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.00092	1		11/12/13 09:23	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	108-67-8	
Vinyl acetate	ND	mg/kg	0.092	0.046	1		11/12/13 09:23	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	0.0023	1		11/12/13 09:23	75-01-4	
Xylene (Total)	ND	mg/kg	0.0092	0.0046	1		11/12/13 09:23	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	118	%.	85-118		1		11/12/13 09:23	1868-53-7	
Toluene-d8 (S)	93	%.	71-128		1		11/12/13 09:23	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(2-4)-103113 **Lab ID: 5089270009** Collected: 10/31/13 10:55 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	103	%.	56-144		1		11/12/13 09:23	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.4**	%	0.10	0.10	1		11/04/13 15:41		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(4-6)-103113 **Lab ID: 5089270010** Collected: 10/31/13 11:07 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**43.4**	mg/kg	22.4	5.6	1	11/04/13 12:32	11/05/13 14:04		
TPH (C10-C20)	**12.1**	mg/kg	11.2	5.6	1	11/04/13 12:32	11/05/13 14:04		
TPH (C20-C34)	**31.3**	mg/kg	11.2	5.6	1	11/04/13 12:32	11/05/13 14:04		
Surrogates									
n-Pentacosane (S)	139	%.	30-153		1	11/04/13 12:32	11/05/13 14:04	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	112	56.1	1	11/04/13 12:39	11/05/13 15:50	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	112	56.1	1	11/04/13 12:39	11/05/13 15:50	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	112	56.1	1	11/04/13 12:39	11/05/13 15:50	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	112	56.1	1	11/04/13 12:39	11/05/13 15:50	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	112	56.1	1	11/04/13 12:39	11/05/13 15:50	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	112	56.1	1	11/04/13 12:39	11/05/13 15:50	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	112	56.1	1	11/04/13 12:39	11/05/13 15:50	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	47	%.	30-106		1	11/04/13 12:39	11/05/13 15:50	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.86	0.43	1		11/08/13 05:45		
Surrogates									
4-Bromofluorobenzene (S)	93	%.	38-163		1		11/08/13 05:45	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**8410**	mg/kg	48.7	24.4	1	11/04/13 09:26	11/05/13 11:03	7429-90-5	
Antimony	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-36-0	
Arsenic	**10.4**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-38-2	
Barium	**39.7**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-39-3	
Beryllium	**0.42J**	mg/kg	0.49	0.24	1	11/04/13 09:26	11/05/13 11:03	7440-41-7	
Cadmium	ND	mg/kg	1.9	0.49	1	11/04/13 09:26	11/05/13 11:03	7440-43-9	
Chromium	**12.3**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-47-3	
Cobalt	**7.0**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-48-4	
Copper	**31.4**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-50-8	
Lead	**46.8**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7439-92-1	
Nickel	**19.4**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-02-0	
Selenium	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7782-49-2	
Silver	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-22-4	
Thallium	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-28-0	
Vanadium	**18.6**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-62-2	
Zinc	**153**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:03	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.22J**	mg/kg	0.24	0.20	1	11/06/13 11:11	11/07/13 15:32	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(4-6)-103113 **Lab ID: 5089270010** Collected: 10/31/13 11:07 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**3720**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	83-32-9	
Acenaphthylene	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	208-96-8	
Anthracene	**9250**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	120-12-7	
Benzo(a)anthracene	**8090**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	56-55-3	
Benzo(a)pyrene	**6250**	ug/kg	1910	1850	10	11/04/13 12:32	11/13/13 12:06	50-32-8	
Benzo(b)fluoranthene	**7450**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	205-99-2	
Benzo(g,h,i)perylene	**3190J**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	191-24-2	
Benzo(k)fluoranthene	**2680J**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	207-08-9	
Benzyl alcohol	ND	ug/kg	7400	3700	10	11/04/13 12:32	11/13/13 12:06	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7400	3700	10	11/04/13 12:32	11/13/13 12:06	59-50-7	
4-Chloroaniline	ND	ug/kg	7400	3700	10	11/04/13 12:32	11/13/13 12:06	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	91-58-7	
2-Chlorophenol	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	7005-72-3	
Chrysene	**7290**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1910	1850	10	11/04/13 12:32	11/13/13 12:06	53-70-3	
Dibenzofuran	**4550**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	120-83-2	
Diethylphthalate	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	105-67-9	
Dimethylphthalate	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17900	8970	10	11/04/13 12:32	11/13/13 12:06	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17900	17900	10	11/04/13 12:32	11/13/13 12:06	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	117-81-7	
Fluoranthene	**21200**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	206-44-0	
Fluorene	**5630**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3700	3700	10	11/04/13 12:32	11/13/13 12:06	77-47-4	
Hexachloroethane	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	67-72-1	
Indeno(1,2,3-cd)pyrene	**3030J**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	193-39-5	
Isophorone	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	78-59-1	
2-Methylnaphthalene	**2480J**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7400	3700	10	11/04/13 12:32	11/13/13 12:06		
Naphthalene	**5490**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	91-20-3	
2-Nitroaniline	ND	ug/kg	17900	8970	10	11/04/13 12:32	11/13/13 12:06	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(4-6)-103113 **Lab ID: 5089270010** Collected: 10/31/13 11:07 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	17900	8970	10	11/04/13 12:32	11/13/13 12:06	99-09-2	
4-Nitroaniline	ND	ug/kg	17900	8970	10	11/04/13 12:32	11/13/13 12:06	100-01-6	
Nitrobenzene	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	98-95-3	
2-Nitrophenol	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	88-75-5	
4-Nitrophenol	ND	ug/kg	17900	8970	10	11/04/13 12:32	11/13/13 12:06	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	86-30-6	
Phenanthrene	**27700**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	85-01-8	
Phenol	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	108-95-2	1d
Pyrene	**16100**	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3700	1850	10	11/04/13 12:32	11/13/13 12:06	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	80	%.	28-101		10	11/04/13 12:32	11/13/13 12:06	4165-60-0	
2-Fluorobiphenyl (S)	75	%.	31-94		10	11/04/13 12:32	11/13/13 12:06	321-60-8	
p-Terphenyl-d14 (S)	105	%.	26-110		10	11/04/13 12:32	11/13/13 12:06	1718-51-0	
Phenol-d5 (S)	87	%.	28-101		10	11/04/13 12:32	11/13/13 12:06	4165-62-2	
2-Fluorophenol (S)	85	%.	24-104		10	11/04/13 12:32	11/13/13 12:06	367-12-4	
2,4,6-Tribromophenol (S)	90	%.	16-122		10	11/04/13 12:32	11/13/13 12:06	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**0.33**	mg/kg	0.093	0.046	1		11/14/13 19:05	67-64-1	
Acrolein	ND	mg/kg	0.093	0.046	1		11/14/13 19:05	107-02-8	
Benzene	**0.0032J**	mg/kg	0.0046	0.00093	1		11/14/13 19:05	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-27-4	
Bromoform	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	74-83-9	
2-Butanone (MEK)	**2.4**	mg/kg	0.023	0.011	1		11/14/13 19:05	78-93-3	3d,E
n-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	98-06-6	
Carbon disulfide	ND	mg/kg	0.0093	0.0023	1		11/14/13 19:05	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	108-90-7	
Chloroethane	**0.049**	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	124-48-1	
Dibromomethane	ND	mg/kg	0.0046	0.0030	1		11/14/13 19:05	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(4-6)-103113 **Lab ID: 5089270010** Collected: 10/31/13 11:07 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.093	0.046	1		11/14/13 19:05	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	10061-02-6	
Ethylbenzene	**0.011**	mg/kg	0.0046	0.0023	1		11/14/13 19:05	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.093	0.046	1		11/14/13 19:05	97-63-2	
n-Hexane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	110-54-3	N2
2-Hexanone	ND	mg/kg	0.093	0.046	1		11/14/13 19:05	591-78-6	
Iodomethane	ND	mg/kg	0.093	0.046	1		11/14/13 19:05	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	99-87-6	
Methylene Chloride	ND	mg/kg	0.019	0.0093	1		11/14/13 19:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	0.011	1		11/14/13 19:05	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0013	1		11/14/13 19:05	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	103-65-1	
Styrene	**0.023**	mg/kg	0.0046	0.0023	1		11/14/13 19:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0018	1		11/14/13 19:05	127-18-4	
Toluene	**0.0092**	mg/kg	0.0046	0.0023	1		11/14/13 19:05	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.0016	1		11/14/13 19:05	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	108-67-8	
Vinyl acetate	ND	mg/kg	0.093	0.046	1		11/14/13 19:05	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	0.0023	1		11/14/13 19:05	75-01-4	
Xylene (Total)	**0.023**	mg/kg	0.0093	0.0046	1		11/14/13 19:05	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	93	%.	85-118		1		11/14/13 19:05	1868-53-7	
Toluene-d8 (S)	107	%.	71-128		1		11/14/13 19:05	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB12(4-6)-103113 **Lab ID: 5089270010** Collected: 10/31/13 11:07 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	98	%.	56-144		1		11/14/13 19:05	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.4**	%	0.10	0.10	1		11/04/13 15:41		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(2-4)-103113 **Lab ID: 5089270011** Collected: 10/31/13 15:00 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**330**	mg/kg	226	56.6	10	11/04/13 12:32	11/05/13 12:31		
TPH (C10-C20)	ND	mg/kg	113	56.6	10	11/04/13 12:32	11/05/13 12:31		
TPH (C20-C34)	**297**	mg/kg	113	56.6	10	11/04/13 12:32	11/05/13 12:31		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 12:31	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1130	564	10	11/04/13 12:39	11/07/13 17:19	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1130	564	10	11/04/13 12:39	11/07/13 17:19	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1130	564	10	11/04/13 12:39	11/07/13 17:19	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1130	564	10	11/04/13 12:39	11/07/13 17:19	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1130	564	10	11/04/13 12:39	11/07/13 17:19	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1130	564	10	11/04/13 12:39	11/07/13 17:19	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1130	564	10	11/04/13 12:39	11/07/13 17:19	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/04/13 12:39	11/07/13 17:19	877-09-8	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**10300**	mg/kg	48.5	24.2	1	11/04/13 09:26	11/05/13 11:05	7429-90-5	
Antimony	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-36-0	
Arsenic	**10.8**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-38-2	
Barium	**139**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-39-3	
Beryllium	**1.2**	mg/kg	0.48	0.24	1	11/04/13 09:26	11/05/13 11:05	7440-41-7	
Cadmium	**0.94J**	mg/kg	1.9	0.48	1	11/04/13 09:26	11/05/13 11:05	7440-43-9	
Chromium	**18.2**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-47-3	
Cobalt	**4.7**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-48-4	
Copper	**64.0**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-50-8	
Lead	**140**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7439-92-1	
Nickel	**29.3**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-02-0	
Selenium	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7782-49-2	
Silver	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-22-4	
Thallium	ND	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-28-0	
Vanadium	**17.6**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-62-2	
Zinc	**196**	mg/kg	1.9	0.97	1	11/04/13 09:26	11/05/13 11:05	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	0.20	1	11/06/13 11:11	11/07/13 15:40	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	83-32-9	
Acenaphthylene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	208-96-8	
Anthracene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	120-12-7	
Benzo(a)anthracene	**1960J**	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1900	1840	10	11/04/13 12:32	11/13/13 13:46	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(2-4)-103113 **Lab ID: 5089270011** Collected: 10/31/13 15:00 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**2540J**	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	207-08-9	
Benzyl alcohol	ND	ug/kg	7370	3680	10	11/04/13 12:32	11/13/13 13:46	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7370	3680	10	11/04/13 12:32	11/13/13 13:46	59-50-7	
4-Chloroaniline	ND	ug/kg	7370	3680	10	11/04/13 12:32	11/13/13 13:46	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	91-58-7	
2-Chlorophenol	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	7005-72-3	
Chrysene	**2150J**	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1900	1840	10	11/04/13 12:32	11/13/13 13:46	53-70-3	
Dibenzofuran	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	120-83-2	
Diethylphthalate	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	105-67-9	
Dimethylphthalate	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17900	8930	10	11/04/13 12:32	11/13/13 13:46	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17900	17900	10	11/04/13 12:32	11/13/13 13:46	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	117-81-7	
Fluoranthene	**5160**	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	206-44-0	
Fluorene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3680	3680	10	11/04/13 12:32	11/13/13 13:46	77-47-4	
Hexachloroethane	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	193-39-5	
Isophorone	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7370	3680	10	11/04/13 12:32	11/13/13 13:46		
Naphthalene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	91-20-3	
2-Nitroaniline	ND	ug/kg	17900	8930	10	11/04/13 12:32	11/13/13 13:46	88-74-4	
3-Nitroaniline	ND	ug/kg	17900	8930	10	11/04/13 12:32	11/13/13 13:46	99-09-2	
4-Nitroaniline	ND	ug/kg	17900	8930	10	11/04/13 12:32	11/13/13 13:46	100-01-6	
Nitrobenzene	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	98-95-3	
2-Nitrophenol	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	88-75-5	
4-Nitrophenol	ND	ug/kg	17900	8930	10	11/04/13 12:32	11/13/13 13:46	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(2-4)-103113 **Lab ID: 5089270011** Collected: 10/31/13 15:00 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	86-30-6	
Phenanthrene	**3600J**	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	85-01-8	
Phenol	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	108-95-2	1d
Pyrene	**3980**	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3680	1840	10	11/04/13 12:32	11/13/13 13:46	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	54	%.	28-101		10	11/04/13 12:32	11/13/13 13:46	4165-60-0	
2-Fluorobiphenyl (S)	56	%.	31-94		10	11/04/13 12:32	11/13/13 13:46	321-60-8	
p-Terphenyl-d14 (S)	73	%.	26-110		10	11/04/13 12:32	11/13/13 13:46	1718-51-0	
Phenol-d5 (S)	59	%.	28-101		10	11/04/13 12:32	11/13/13 13:46	4165-62-2	
2-Fluorophenol (S)	60	%.	24-104		10	11/04/13 12:32	11/13/13 13:46	367-12-4	
2,4,6-Tribromophenol (S)	53	%.	16-122		10	11/04/13 12:32	11/13/13 13:46	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.6**	%	0.10	0.10	1		11/04/13 15:41		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(4-6)-103113 **Lab ID: 5089270012** Collected: 10/31/13 15:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**3790**	mg/kg	1100	274	10	11/04/13 12:32	11/05/13 12:38		
TPH (C10-C20)	**864**	mg/kg	549	274	10	11/04/13 12:32	11/05/13 12:38		
TPH (C20-C34)	**2920**	mg/kg	549	274	10	11/04/13 12:32	11/05/13 12:38		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 12:38	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1100	549	10	11/04/13 12:39	11/07/13 17:25	12674-11-2	S4
PCB-1221 (Aroclor 1221)	ND	ug/kg	1100	549	10	11/04/13 12:39	11/07/13 17:25	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1100	549	10	11/04/13 12:39	11/07/13 17:25	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1100	549	10	11/04/13 12:39	11/07/13 17:25	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1100	549	10	11/04/13 12:39	11/07/13 17:25	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1100	549	10	11/04/13 12:39	11/07/13 17:25	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1100	549	10	11/04/13 12:39	11/07/13 17:25	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/04/13 12:39	11/07/13 17:25	877-09-8	D3
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	1.3	0.65	1		11/08/13 06:10		
Surrogates									
4-Bromofluorobenzene (S)	92	%.	38-163		1		11/08/13 06:10	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**4730**	mg/kg	51.6	25.8	1	11/04/13 09:26	11/05/13 11:08	7429-90-5	
Antimony	**3.3**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-36-0	
Arsenic	**12.7**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-38-2	
Barium	**126**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-39-3	
Beryllium	**0.70**	mg/kg	0.52	0.26	1	11/04/13 09:26	11/05/13 11:08	7440-41-7	
Cadmium	**4.9**	mg/kg	2.1	0.52	1	11/04/13 09:26	11/05/13 11:08	7440-43-9	
Chromium	**23.1**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-47-3	
Cobalt	**3.3**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-48-4	
Copper	**119**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-50-8	
Lead	**399**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7439-92-1	
Nickel	**40.3**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-02-0	
Selenium	ND	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7782-49-2	
Silver	ND	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-22-4	
Thallium	ND	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-28-0	
Vanadium	**10.8**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-62-2	
Zinc	**582**	mg/kg	2.1	1.0	1	11/04/13 09:26	11/05/13 11:08	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.24**	mg/kg	0.22	0.19	1	11/06/13 11:11	11/07/13 15:42	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(4-6)-103113 **Lab ID: 5089270012** Collected: 10/31/13 15:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**3530J**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	83-32-9	
Acenaphthylene	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	208-96-8	
Anthracene	**7320**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	120-12-7	
Benzo(a)anthracene	**11400**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	56-55-3	
Benzo(a)pyrene	**10100**	ug/kg	1870	1810	10	11/04/13 12:32	11/13/13 15:06	50-32-8	
Benzo(b)fluoranthene	**12800**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	205-99-2	
Benzo(g,h,i)perylene	**5330**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	191-24-2	
Benzo(k)fluoranthene	**5980**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	207-08-9	
Benzyl alcohol	ND	ug/kg	7240	3620	10	11/04/13 12:32	11/13/13 15:06	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	101-55-3	
Butylbenzylphthalate	**2560J**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7240	3620	10	11/04/13 12:32	11/13/13 15:06	59-50-7	
4-Chloroaniline	ND	ug/kg	7240	3620	10	11/04/13 12:32	11/13/13 15:06	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	91-58-7	
2-Chlorophenol	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	7005-72-3	
Chrysene	**11500**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1870	1810	10	11/04/13 12:32	11/13/13 15:06	53-70-3	
Dibenzofuran	**2470J**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	120-83-2	
Diethylphthalate	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	105-67-9	
Dimethylphthalate	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17600	8780	10	11/04/13 12:32	11/13/13 15:06	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17600	17600	10	11/04/13 12:32	11/13/13 15:06	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	117-81-7	
Fluoranthene	**26100**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	206-44-0	
Fluorene	**3400J**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3620	3620	10	11/04/13 12:32	11/13/13 15:06	77-47-4	
Hexachloroethane	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	67-72-1	
Indeno(1,2,3-cd)pyrene	**4880**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	193-39-5	
Isophorone	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7240	3620	10	11/04/13 12:32	11/13/13 15:06		
Naphthalene	**1860J**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	91-20-3	
2-Nitroaniline	ND	ug/kg	17600	8780	10	11/04/13 12:32	11/13/13 15:06	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(4-6)-103113 **Lab ID: 5089270012** Collected: 10/31/13 15:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	17600	8780	10	11/04/13 12:32	11/13/13 15:06	99-09-2	
4-Nitroaniline	ND	ug/kg	17600	8780	10	11/04/13 12:32	11/13/13 15:06	100-01-6	
Nitrobenzene	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	98-95-3	
2-Nitrophenol	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	88-75-5	
4-Nitrophenol	ND	ug/kg	17600	8780	10	11/04/13 12:32	11/13/13 15:06	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	86-30-6	
Phenanthrene	**25000**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	85-01-8	
Phenol	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	108-95-2	1d
Pyrene	**20800**	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3620	1810	10	11/04/13 12:32	11/13/13 15:06	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	30	%.	28-101		10	11/04/13 12:32	11/13/13 15:06	4165-60-0	
2-Fluorobiphenyl (S)	32	%.	31-94		10	11/04/13 12:32	11/13/13 15:06	321-60-8	
p-Terphenyl-d14 (S)	37	%.	26-110		10	11/04/13 12:32	11/13/13 15:06	1718-51-0	
Phenol-d5 (S)	28	%.	28-101		10	11/04/13 12:32	11/13/13 15:06	4165-62-2	
2-Fluorophenol (S)	28	%.	24-104		10	11/04/13 12:32	11/13/13 15:06	367-12-4	
2,4,6-Tribromophenol (S)	28	%.	16-122		10	11/04/13 12:32	11/13/13 15:06	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.12	0.058	1		11/12/13 10:42	67-64-1	
Acrolein	ND	mg/kg	0.12	0.058	1		11/12/13 10:42	107-02-8	
Benzene	ND	mg/kg	0.0058	0.0012	1		11/12/13 10:42	71-43-2	
Bromobenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	108-86-1	
Bromochloromethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0058	0.0030	1		11/12/13 10:42	75-27-4	
Bromoform	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	75-25-2	
Bromomethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.029	0.014	1		11/12/13 10:42	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	98-06-6	
Carbon disulfide	ND	mg/kg	0.012	0.0059	1		11/12/13 10:42	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	56-23-5	
Chlorobenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	108-90-7	
Chloroethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	75-00-3	
Chloroform	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	67-66-3	
Chloromethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	124-48-1	
Dibromomethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(4-6)-103113 **Lab ID: 5089270012** Collected: 10/31/13 15:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.12	0.058	1		11/12/13 10:42	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0058	0.0030	1		11/12/13 10:42	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0058	0.0031	1		11/12/13 10:42	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.12	0.058	1		11/12/13 10:42	97-63-2	
n-Hexane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	110-54-3	N2
2-Hexanone	ND	mg/kg	0.12	0.058	1		11/12/13 10:42	591-78-6	
Iodomethane	ND	mg/kg	0.12	0.058	1		11/12/13 10:42	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	99-87-6	
Methylene Chloride	ND	mg/kg	0.023	0.012	1		11/12/13 10:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.029	0.014	1		11/12/13 10:42	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	103-65-1	
Styrene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0058	0.0015	1		11/12/13 10:42	127-18-4	
Toluene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	79-00-5	
Trichloroethene	ND	mg/kg	0.0058	0.0012	1		11/12/13 10:42	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	108-67-8	
Vinyl acetate	ND	mg/kg	0.12	0.058	1		11/12/13 10:42	108-05-4	
Vinyl chloride	ND	mg/kg	0.0058	0.0029	1		11/12/13 10:42	75-01-4	
Xylene (Total)	ND	mg/kg	0.012	0.0058	1		11/12/13 10:42	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	128	%.	85-118		1		11/12/13 10:42	1868-53-7	S3
Toluene-d8 (S)	151	%.	71-128		1		11/12/13 10:42	2037-26-5	S3

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Sample: FAW-SB10(4-6)-103113 **Lab ID: 5089270012** Collected: 10/31/13 15:05 Received: 11/01/13 18:22 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	68	%.	56-144		1		11/12/13 10:42	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.8**	%	0.10	0.10	1		11/04/13 15:42		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.1**	Std. Units	0.10		1		11/04/13 12:56		

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

QC Batch: GCV/17351 Analysis Method: EPA 8015 Mod Pur
QC Batch Method: EPA 8015 Mod Pur Analysis Description: 8015 GRO 5035
Associated Lab Samples: 5089270007, 5089270008, 5089270009, 5089270010, 5089270012

METHOD BLANK: 1009134 Matrix: Solid
Associated Lab Samples: 5089270007, 5089270008, 5089270009, 5089270010, 5089270012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C12)	mg/kg	ND	1.0	11/07/13 23:35	
4-Bromofluorobenzene (S)	%.	122	38-163	11/07/13 23:35	

LABORATORY CONTROL SAMPLE: 1009135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C12)	mg/kg	10	10	100	75-139	
4-Bromofluorobenzene (S)	%.			105	38-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1009136 1009137

Parameter	Units	5089181003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C06-C12)	mg/kg	ND	8.5	9.5	4.7	6.4	55	68	10-151	30	20	R1
4-Bromofluorobenzene (S)	%.						108	118	38-163		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

QC Batch: MERP/5014 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 5089270001, 5089270003, 5089270004, 5089270005, 5089270006, 5089270007, 5089270008, 5089270009, 5089270010, 5089270011, 5089270012

METHOD BLANK: 1007899 Matrix: Solid
Associated Lab Samples: 5089270001, 5089270003, 5089270004, 5089270005, 5089270006, 5089270007, 5089270008, 5089270009, 5089270010, 5089270011, 5089270012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.20	11/07/13 14:55	

LABORATORY CONTROL SAMPLE: 1007900

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.47	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1007901 1007902

Parameter	Units	5089270001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.49	.58	.54	0.95	0.90	78	77	75-125	5	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

QC Batch: MPRP/12373 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5089270001, 5089270003, 5089270004, 5089270005, 5089270006, 5089270007, 5089270008, 5089270009, 5089270010, 5089270011, 5089270012

METHOD BLANK: 1006947 Matrix: Solid
Associated Lab Samples: 5089270001, 5089270003, 5089270004, 5089270005, 5089270006, 5089270007, 5089270008, 5089270009, 5089270010, 5089270011, 5089270012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	50.0	11/05/13 10:29	
Antimony	mg/kg	ND	2.0	11/05/13 10:29	
Arsenic	mg/kg	ND	2.0	11/05/13 10:29	
Barium	mg/kg	ND	2.0	11/05/13 10:29	
Beryllium	mg/kg	ND	0.50	11/05/13 10:29	
Cadmium	mg/kg	ND	2.0	11/05/13 10:29	
Chromium	mg/kg	ND	2.0	11/05/13 10:29	
Cobalt	mg/kg	ND	2.0	11/05/13 10:29	
Copper	mg/kg	ND	2.0	11/05/13 10:29	
Lead	mg/kg	ND	2.0	11/05/13 10:29	
Nickel	mg/kg	ND	2.0	11/05/13 10:29	
Selenium	mg/kg	ND	2.0	11/05/13 10:29	
Silver	mg/kg	ND	2.0	11/05/13 10:29	
Thallium	mg/kg	ND	2.0	11/05/13 10:29	
Vanadium	mg/kg	ND	2.0	11/05/13 10:29	
Zinc	mg/kg	ND	2.0	11/05/13 10:29	

LABORATORY CONTROL SAMPLE: 1006948

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	478	96	80-120	
Antimony	mg/kg	50	52.0	104	80-120	
Arsenic	mg/kg	50	51.3	103	80-120	
Barium	mg/kg	50	50.2	100	80-120	
Beryllium	mg/kg	50	51.8	104	80-120	
Cadmium	mg/kg	50	50.0	100	80-120	
Chromium	mg/kg	50	55.4	111	80-120	
Cobalt	mg/kg	50	51.0	102	80-120	
Copper	mg/kg	50	52.4	105	80-120	
Lead	mg/kg	50	49.8	100	80-120	
Nickel	mg/kg	50	51.4	103	80-120	
Selenium	mg/kg	50	49.8	100	80-120	
Silver	mg/kg	25	25.7	103	80-120	
Thallium	mg/kg	50	50.4	101	80-120	
Vanadium	mg/kg	50	53.2	106	80-120	
Zinc	mg/kg	50	50.4	101	80-120	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006949 1006950

Parameter	Units	5089270001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/kg	9950	486	485	9280	12200	-138	471	75-125	27	20	2d,P6
Antimony	mg/kg	9.2	48.6	48.5	23.8	23.3	30	29	75-125	2	20	M3
Arsenic	mg/kg	13.6	48.6	48.5	55.9	56.9	87	89	75-125	2	20	
Barium	mg/kg	942	48.6	48.5	446	539	-1020	-832	75-125	19	20	P6
Beryllium	mg/kg	0.81	48.6	48.5	44.8	44.7	90	90	75-125	0	20	
Cadmium	mg/kg	6.0	48.6	48.5	48.5	49.3	87	89	75-125	2	20	
Chromium	mg/kg	26.8	48.6	48.5	66.1	66.9	81	83	75-125	1	20	
Cobalt	mg/kg	7.7	48.6	48.5	48.4	48.8	84	85	75-125	1	20	
Copper	mg/kg	794	48.6	48.5	637	623	-322	-353	75-125	2	20	P6
Lead	mg/kg	2520	48.6	48.5	1290	1510	-2540	-2090	75-125	16	20	P6
Nickel	mg/kg	47.7	48.6	48.5	79.7	83.4	66	73	75-125	5	20	M3
Selenium	mg/kg	ND	48.6	48.5	42.2	41.7	86	85	75-125	1	20	
Silver	mg/kg	ND	24.3	24.2	22.0	22.1	90	90	75-125	0	20	
Thallium	mg/kg	1.1J	48.6	48.5	36.2	35.9	72	72	75-125	1	20	M3
Vanadium	mg/kg	20.4	48.6	48.5	65.1	66.3	92	95	75-125	2	20	
Zinc	mg/kg	1660	48.6	48.5	1170	1220	-1010	-922	75-125	4	20	P6

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

QC Batch: MSV/59198 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5089270002

METHOD BLANK: 1010896 Matrix: Water
Associated Lab Samples: 5089270002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/11/13 12:37	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/11/13 12:37	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/11/13 12:37	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/11/13 12:37	
1,1-Dichloroethane	ug/L	ND	5.0	11/11/13 12:37	
1,1-Dichloroethene	ug/L	ND	5.0	11/11/13 12:37	
1,1-Dichloropropene	ug/L	ND	5.0	11/11/13 12:37	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/11/13 12:37	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/11/13 12:37	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/11/13 12:37	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/11/13 12:37	
1,2-Dichloroethane	ug/L	ND	5.0	11/11/13 12:37	
1,2-Dichloropropane	ug/L	ND	5.0	11/11/13 12:37	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/11/13 12:37	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/11/13 12:37	
1,3-Dichloropropane	ug/L	ND	5.0	11/11/13 12:37	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/11/13 12:37	
2,2-Dichloropropane	ug/L	ND	5.0	11/11/13 12:37	
2-Butanone (MEK)	ug/L	ND	25.0	11/11/13 12:37	
2-Chlorotoluene	ug/L	ND	5.0	11/11/13 12:37	
2-Hexanone	ug/L	ND	25.0	11/11/13 12:37	
4-Chlorotoluene	ug/L	ND	5.0	11/11/13 12:37	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/11/13 12:37	
Acetone	ug/L	ND	100	11/11/13 12:37	
Acrolein	ug/L	ND	50.0	11/11/13 12:37	
Benzene	ug/L	ND	5.0	11/11/13 12:37	
Bromobenzene	ug/L	ND	5.0	11/11/13 12:37	
Bromochloromethane	ug/L	ND	5.0	11/11/13 12:37	
Bromodichloromethane	ug/L	ND	5.0	11/11/13 12:37	
Bromoform	ug/L	ND	5.0	11/11/13 12:37	
Bromomethane	ug/L	ND	5.0	11/11/13 12:37	
Carbon disulfide	ug/L	ND	10.0	11/11/13 12:37	
Carbon tetrachloride	ug/L	ND	5.0	11/11/13 12:37	
Chlorobenzene	ug/L	ND	5.0	11/11/13 12:37	
Chloroethane	ug/L	ND	5.0	11/11/13 12:37	
Chloroform	ug/L	ND	5.0	11/11/13 12:37	
Chloromethane	ug/L	ND	5.0	11/11/13 12:37	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/11/13 12:37	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/11/13 12:37	
Dibromochloromethane	ug/L	ND	5.0	11/11/13 12:37	
Dibromomethane	ug/L	ND	5.0	11/11/13 12:37	
Dichlorodifluoromethane	ug/L	ND	5.0	11/11/13 12:37	
Ethyl methacrylate	ug/L	ND	100	11/11/13 12:37	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

METHOD BLANK: 1010896 Matrix: Water

Associated Lab Samples: 5089270002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	5.0	11/11/13 12:37	
Iodomethane	ug/L	ND	10.0	11/11/13 12:37	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/11/13 12:37	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/11/13 12:37	
Methylene Chloride	ug/L	ND	5.0	11/11/13 12:37	
n-Butylbenzene	ug/L	ND	5.0	11/11/13 12:37	
n-Hexane	ug/L	ND	5.0	11/11/13 12:37	N2
n-Propylbenzene	ug/L	ND	5.0	11/11/13 12:37	
p-Isopropyltoluene	ug/L	ND	5.0	11/11/13 12:37	
sec-Butylbenzene	ug/L	ND	5.0	11/11/13 12:37	
Styrene	ug/L	ND	5.0	11/11/13 12:37	
tert-Butylbenzene	ug/L	ND	5.0	11/11/13 12:37	
Tetrachloroethene	ug/L	ND	5.0	11/11/13 12:37	
Toluene	ug/L	ND	5.0	11/11/13 12:37	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/11/13 12:37	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/11/13 12:37	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/11/13 12:37	
Trichloroethene	ug/L	ND	5.0	11/11/13 12:37	
Trichlorofluoromethane	ug/L	ND	5.0	11/11/13 12:37	
Vinyl acetate	ug/L	ND	50.0	11/11/13 12:37	
Vinyl chloride	ug/L	ND	2.0	11/11/13 12:37	
Xylene (Total)	ug/L	ND	10.0	11/11/13 12:37	
4-Bromofluorobenzene (S)	%.	98	80-114	11/11/13 12:37	
Dibromofluoromethane (S)	%.	112	79-116	11/11/13 12:37	
Toluene-d8 (S)	%.	101	81-110	11/11/13 12:37	

LABORATORY CONTROL SAMPLE: 1010897

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.2	110	61-135	
1,1,1-Trichloroethane	ug/L	50	60.0	120	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	52.9	106	66-126	
1,1,2-Trichloroethane	ug/L	50	55.3	111	77-130	
1,1-Dichloroethane	ug/L	50	51.8	104	75-130	
1,1-Dichloroethene	ug/L	50	53.0	106	68-127	
1,1-Dichloropropene	ug/L	50	57.3	115	78-130	
1,2,3-Trichlorobenzene	ug/L	50	47.6	95	70-130	
1,2,4-Trichlorobenzene	ug/L	50	47.7	95	68-131	
1,2,4-Trimethylbenzene	ug/L	50	54.8	110	69-127	
1,2-Dichlorobenzene	ug/L	50	54.5	109	75-123	
1,2-Dichloroethane	ug/L	50	59.2	118	75-128	
1,2-Dichloropropane	ug/L	50	58.1	116	74-121	
1,3,5-Trimethylbenzene	ug/L	50	54.2	108	70-126	
1,3-Dichlorobenzene	ug/L	50	52.5	105	74-122	
1,3-Dichloropropane	ug/L	50	54.2	108	74-123	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

LABORATORY CONTROL SAMPLE: 1010897

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	55.0	110	76-120	
2,2-Dichloropropane	ug/L	50	54.3	109	50-137	
2-Butanone (MEK)	ug/L	250	303	121	58-139	
2-Chlorotoluene	ug/L	50	52.9	106	74-122	
2-Hexanone	ug/L	250	260	104	54-140	
4-Chlorotoluene	ug/L	50	53.7	107	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	282	113	58-138	
Acetone	ug/L	250	316	127	49-150	
Acrolein	ug/L	1000	1360	136	41-200	
Benzene	ug/L	50	47.3	95	74-122	
Bromobenzene	ug/L	50	59.8	120	72-127	
Bromochloromethane	ug/L	50	53.1	106	63-132	
Bromodichloromethane	ug/L	50	64.2	128	62-136	
Bromoform	ug/L	50	51.9	104	44-134	
Bromomethane	ug/L	50	40.0	80	22-181	
Carbon disulfide	ug/L	100	106	106	59-132	
Carbon tetrachloride	ug/L	50	59.3	119	56-137	
Chlorobenzene	ug/L	50	58.4	117	78-123	
Chloroethane	ug/L	50	52.3	105	60-144	
Chloroform	ug/L	50	54.8	110	78-126	
Chloromethane	ug/L	50	42.0	84	42-134	
cis-1,2-Dichloroethene	ug/L	50	53.6	107	75-122	
cis-1,3-Dichloropropene	ug/L	50	54.0	108	64-126	
Dibromochloromethane	ug/L	50	56.5	113	58-128	
Dibromomethane	ug/L	50	53.1	106	73-125	
Dichlorodifluoromethane	ug/L	50	50.9	102	35-181	
Ethyl methacrylate	ug/L	200	180	90	69-133	
Ethylbenzene	ug/L	50	55.7	111	66-133	
Iodomethane	ug/L	100	81.1	81	21-170	
Isopropylbenzene (Cumene)	ug/L	50	60.6	121	69-124	
Methyl-tert-butyl ether	ug/L	100	111	111	69-122	
Methylene Chloride	ug/L	50	50.4	101	68-132	
n-Butylbenzene	ug/L	50	56.3	113	70-126	
n-Hexane	ug/L	50	45.4	91	51-125	N2
n-Propylbenzene	ug/L	50	54.2	108	71-122	
p-Isopropyltoluene	ug/L	50	58.1	116	72-132	
sec-Butylbenzene	ug/L	50	57.7	115	70-128	
Styrene	ug/L	50	56.8	114	74-126	
tert-Butylbenzene	ug/L	50	54.2	108	51-118	
Tetrachloroethene	ug/L	50	56.5	113	69-130	
Toluene	ug/L	50	52.5	105	72-122	
trans-1,2-Dichloroethene	ug/L	50	50.5	101	72-124	
trans-1,3-Dichloropropene	ug/L	50	53.1	106	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	229	114	56-133	
Trichloroethene	ug/L	50	53.5	107	76-126	
Trichlorofluoromethane	ug/L	50	54.9	110	76-149	
Vinyl acetate	ug/L	200	196	98	45-151	
Vinyl chloride	ug/L	50	49.5	99	59-126	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

LABORATORY CONTROL SAMPLE: 1010897

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	171	114	70-124	
4-Bromofluorobenzene (S)	%.			106	80-114	
Dibromofluoromethane (S)	%.			105	79-116	
Toluene-d8 (S)	%.			97	81-110	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

QC Batch: MSV/59219 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5089270007, 5089270008, 5089270009, 5089270012

METHOD BLANK: 1010973 Matrix: Solid
Associated Lab Samples: 5089270007, 5089270008, 5089270009, 5089270012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	11/12/13 00:51	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	11/12/13 00:51	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	11/12/13 00:51	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	11/12/13 00:51	
1,1-Dichloroethane	mg/kg	ND	0.0050	11/12/13 00:51	
1,1-Dichloroethene	mg/kg	ND	0.0050	11/12/13 00:51	
1,1-Dichloropropene	mg/kg	ND	0.0050	11/12/13 00:51	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	11/12/13 00:51	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	11/12/13 00:51	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	11/12/13 00:51	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	11/12/13 00:51	
1,2-Dichloroethane	mg/kg	ND	0.0050	11/12/13 00:51	
1,2-Dichloropropane	mg/kg	ND	0.0050	11/12/13 00:51	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	11/12/13 00:51	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	11/12/13 00:51	
1,3-Dichloropropane	mg/kg	ND	0.0050	11/12/13 00:51	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	11/12/13 00:51	
2,2-Dichloropropane	mg/kg	ND	0.0050	11/12/13 00:51	
2-Butanone (MEK)	mg/kg	ND	0.025	11/12/13 00:51	
2-Chlorotoluene	mg/kg	ND	0.0050	11/12/13 00:51	
2-Hexanone	mg/kg	ND	0.10	11/12/13 00:51	
4-Chlorotoluene	mg/kg	ND	0.0050	11/12/13 00:51	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	11/12/13 00:51	
Acetone	mg/kg	ND	0.10	11/12/13 00:51	
Acrolein	mg/kg	ND	0.10	11/12/13 00:51	
Benzene	mg/kg	ND	0.0050	11/12/13 00:51	
Bromobenzene	mg/kg	ND	0.0050	11/12/13 00:51	
Bromochloromethane	mg/kg	ND	0.0050	11/12/13 00:51	
Bromodichloromethane	mg/kg	ND	0.0050	11/12/13 00:51	
Bromoform	mg/kg	ND	0.0050	11/12/13 00:51	
Bromomethane	mg/kg	ND	0.0050	11/12/13 00:51	
Carbon disulfide	mg/kg	ND	0.010	11/12/13 00:51	
Carbon tetrachloride	mg/kg	ND	0.0050	11/12/13 00:51	
Chlorobenzene	mg/kg	ND	0.0050	11/12/13 00:51	
Chloroethane	mg/kg	ND	0.0050	11/12/13 00:51	
Chloroform	mg/kg	ND	0.0050	11/12/13 00:51	
Chloromethane	mg/kg	ND	0.0050	11/12/13 00:51	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	11/12/13 00:51	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	11/12/13 00:51	
Dibromochloromethane	mg/kg	ND	0.0050	11/12/13 00:51	
Dibromomethane	mg/kg	ND	0.0050	11/12/13 00:51	
Dichlorodifluoromethane	mg/kg	ND	0.0050	11/12/13 00:51	
Ethyl methacrylate	mg/kg	ND	0.10	11/12/13 00:51	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

METHOD BLANK: 1010973 Matrix: Solid

Associated Lab Samples: 5089270007, 5089270008, 5089270009, 5089270012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/kg	ND	0.0050	11/12/13 00:51	
Iodomethane	mg/kg	ND	0.10	11/12/13 00:51	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	11/12/13 00:51	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	11/12/13 00:51	
Methylene Chloride	mg/kg	ND	0.020	11/12/13 00:51	
n-Butylbenzene	mg/kg	ND	0.0050	11/12/13 00:51	
n-Hexane	mg/kg	ND	0.0050	11/12/13 00:51	N2
n-Propylbenzene	mg/kg	ND	0.0050	11/12/13 00:51	
p-Isopropyltoluene	mg/kg	ND	0.0050	11/12/13 00:51	
sec-Butylbenzene	mg/kg	ND	0.0050	11/12/13 00:51	
Styrene	mg/kg	ND	0.0050	11/12/13 00:51	
tert-Butylbenzene	mg/kg	ND	0.0050	11/12/13 00:51	
Tetrachloroethene	mg/kg	ND	0.0050	11/12/13 00:51	
Toluene	mg/kg	ND	0.0050	11/12/13 00:51	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	11/12/13 00:51	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	11/12/13 00:51	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	11/12/13 00:51	
Trichloroethene	mg/kg	ND	0.0050	11/12/13 00:51	
Trichlorofluoromethane	mg/kg	ND	0.0050	11/12/13 00:51	
Vinyl acetate	mg/kg	ND	0.10	11/12/13 00:51	
Vinyl chloride	mg/kg	ND	0.0050	11/12/13 00:51	
Xylene (Total)	mg/kg	ND	0.010	11/12/13 00:51	
4-Bromofluorobenzene (S)	%.	100	56-144	11/12/13 00:51	
Dibromofluoromethane (S)	%.	115	85-118	11/12/13 00:51	
Toluene-d8 (S)	%.	91	71-128	11/12/13 00:51	

LABORATORY CONTROL SAMPLE: 1010974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.05	0.044	87	62-123	
1,1,1-Trichloroethane	mg/kg	.05	0.053	107	70-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.048	96	65-124	
1,1,2-Trichloroethane	mg/kg	.05	0.045	91	74-129	
1,1-Dichloroethane	mg/kg	.05	0.045	89	73-130	
1,1-Dichloroethene	mg/kg	.05	0.044	87	66-126	
1,1-Dichloropropene	mg/kg	.05	0.050	100	78-125	
1,2,3-Trichlorobenzene	mg/kg	.05	0.044	89	66-131	
1,2,4-Trichlorobenzene	mg/kg	.05	0.048	96	68-129	
1,2,4-Trimethylbenzene	mg/kg	.05	0.050	99	67-126	
1,2-Dichlorobenzene	mg/kg	.05	0.048	97	73-122	
1,2-Dichloroethane	mg/kg	.05	0.059	119	73-127	
1,2-Dichloropropane	mg/kg	.05	0.053	105	75-118	
1,3,5-Trimethylbenzene	mg/kg	.05	0.048	95	65-127	
1,3-Dichlorobenzene	mg/kg	.05	0.047	94	73-121	
1,3-Dichloropropane	mg/kg	.05	0.049	99	72-121	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

LABORATORY CONTROL SAMPLE: 1010974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/kg	.05	0.048	95	75-119	
2,2-Dichloropropane	mg/kg	.05	0.047	93	63-122	
2-Butanone (MEK)	mg/kg	.25	0.24	98	59-139	
2-Chlorotoluene	mg/kg	.05	0.048	96	72-121	
2-Hexanone	mg/kg	.25	0.24	97	56-139	
4-Chlorotoluene	mg/kg	.05	0.046	92	75-123	
4-Methyl-2-pentanone (MIBK)	mg/kg	.25	0.24	94	63-136	
Acetone	mg/kg	.25	0.27	110	46-156	
Acrolein	mg/kg	1	1.3	126	47-200	
Benzene	mg/kg	.05	0.045	89	74-119	
Bromobenzene	mg/kg	.05	0.049	97	69-129	
Bromochloromethane	mg/kg	.05	0.050	100	67-129	
Bromodichloromethane	mg/kg	.05	0.049	99	68-121	
Bromoform	mg/kg	.05	0.044	88	49-124	
Bromomethane	mg/kg	.05	0.047	94	44-142	
Carbon disulfide	mg/kg	.1	0.089	89	61-129	
Carbon tetrachloride	mg/kg	.05	0.050	101	58-127	
Chlorobenzene	mg/kg	.05	0.048	95	77-122	
Chloroethane	mg/kg	.05	0.049	99	59-141	
Chloroform	mg/kg	.05	0.053	106	75-124	
Chloromethane	mg/kg	.05	0.047	93	46-133	
cis-1,2-Dichloroethene	mg/kg	.05	0.049	99	72-122	
cis-1,3-Dichloropropene	mg/kg	.05	0.041	83	68-115	
Dibromochloromethane	mg/kg	.05	0.046	91	60-121	
Dibromomethane	mg/kg	.05	0.049	98	72-124	
Dichlorodifluoromethane	mg/kg	.05	0.049	98	26-186	
Ethyl methacrylate	mg/kg	.2	0.18	89	63-130	
Ethylbenzene	mg/kg	.05	0.047	94	72-123	
Iodomethane	mg/kg	.1	0.093J	93	38-149	
Isopropylbenzene (Cumene)	mg/kg	.05	0.049	98	65-123	
Methyl-tert-butyl ether	mg/kg	.1	0.11	111	68-120	
Methylene Chloride	mg/kg	.05	0.049	99	57-142	
n-Butylbenzene	mg/kg	.05	0.046	91	68-125	
n-Hexane	mg/kg	.05	0.043	86	57-117	N2
n-Propylbenzene	mg/kg	.05	0.048	96	68-122	
p-Isopropyltoluene	mg/kg	.05	0.050	100	66-133	
sec-Butylbenzene	mg/kg	.05	0.049	99	64-131	
Styrene	mg/kg	.05	0.049	99	70-126	
tert-Butylbenzene	mg/kg	.05	0.049	98	46-124	
Tetrachloroethene	mg/kg	.05	0.047	95	72-126	
Toluene	mg/kg	.05	0.046	92	71-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.050	100	69-123	
trans-1,3-Dichloropropene	mg/kg	.05	0.043	85	66-114	
trans-1,4-Dichloro-2-butene	mg/kg	.2	0.20	101	61-124	
Trichloroethene	mg/kg	.05	0.050	99	74-123	
Trichlorofluoromethane	mg/kg	.05	0.059	117	72-146	
Vinyl acetate	mg/kg	.2	0.17	84	57-131	
Vinyl chloride	mg/kg	.05	0.049	97	55-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

LABORATORY CONTROL SAMPLE: 1010974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	mg/kg	.15	0.15	97	66-124	
4-Bromofluorobenzene (S)	%.			105	56-144	
Dibromofluoromethane (S)	%.			97	85-118	
Toluene-d8 (S)	%.			94	71-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

QC Batch: MSV/59365
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5089270010

METHOD BLANK: 1013314
Matrix: Solid
Associated Lab Samples: 5089270010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	11/14/13 14:29	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	11/14/13 14:29	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	11/14/13 14:29	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	11/14/13 14:29	
1,1-Dichloroethane	mg/kg	ND	0.0050	11/14/13 14:29	
1,1-Dichloroethene	mg/kg	ND	0.0050	11/14/13 14:29	
1,1-Dichloropropene	mg/kg	ND	0.0050	11/14/13 14:29	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	11/14/13 14:29	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	11/14/13 14:29	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	11/14/13 14:29	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	11/14/13 14:29	
1,2-Dichloroethane	mg/kg	ND	0.0050	11/14/13 14:29	
1,2-Dichloropropane	mg/kg	ND	0.0050	11/14/13 14:29	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	11/14/13 14:29	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	11/14/13 14:29	
1,3-Dichloropropane	mg/kg	ND	0.0050	11/14/13 14:29	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	11/14/13 14:29	
2,2-Dichloropropane	mg/kg	ND	0.0050	11/14/13 14:29	
2-Butanone (MEK)	mg/kg	ND	0.025	11/14/13 14:29	
2-Chlorotoluene	mg/kg	ND	0.0050	11/14/13 14:29	
2-Hexanone	mg/kg	ND	0.10	11/14/13 14:29	
4-Chlorotoluene	mg/kg	ND	0.0050	11/14/13 14:29	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	11/14/13 14:29	
Acetone	mg/kg	ND	0.10	11/14/13 14:29	
Acrolein	mg/kg	ND	0.10	11/14/13 14:29	
Benzene	mg/kg	ND	0.0050	11/14/13 14:29	
Bromobenzene	mg/kg	ND	0.0050	11/14/13 14:29	
Bromochloromethane	mg/kg	ND	0.0050	11/14/13 14:29	
Bromodichloromethane	mg/kg	ND	0.0050	11/14/13 14:29	
Bromoform	mg/kg	ND	0.0050	11/14/13 14:29	
Bromomethane	mg/kg	ND	0.0050	11/14/13 14:29	
Carbon disulfide	mg/kg	ND	0.010	11/14/13 14:29	
Carbon tetrachloride	mg/kg	ND	0.0050	11/14/13 14:29	
Chlorobenzene	mg/kg	ND	0.0050	11/14/13 14:29	
Chloroethane	mg/kg	ND	0.0050	11/14/13 14:29	
Chloroform	mg/kg	ND	0.0050	11/14/13 14:29	
Chloromethane	mg/kg	ND	0.0050	11/14/13 14:29	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	11/14/13 14:29	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	11/14/13 14:29	
Dibromochloromethane	mg/kg	ND	0.0050	11/14/13 14:29	
Dibromomethane	mg/kg	ND	0.0050	11/14/13 14:29	
Dichlorodifluoromethane	mg/kg	ND	0.0050	11/14/13 14:29	
Ethyl methacrylate	mg/kg	ND	0.10	11/14/13 14:29	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

METHOD BLANK: 1013314 Matrix: Solid

Associated Lab Samples: 5089270010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/kg	ND	0.0050	11/14/13 14:29	
Iodomethane	mg/kg	ND	0.10	11/14/13 14:29	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	11/14/13 14:29	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	11/14/13 14:29	
Methylene Chloride	mg/kg	0.010J	0.020	11/14/13 14:29	
n-Butylbenzene	mg/kg	ND	0.0050	11/14/13 14:29	
n-Hexane	mg/kg	ND	0.0050	11/14/13 14:29	N2
n-Propylbenzene	mg/kg	ND	0.0050	11/14/13 14:29	
p-Isopropyltoluene	mg/kg	ND	0.0050	11/14/13 14:29	
sec-Butylbenzene	mg/kg	ND	0.0050	11/14/13 14:29	
Styrene	mg/kg	ND	0.0050	11/14/13 14:29	
tert-Butylbenzene	mg/kg	ND	0.0050	11/14/13 14:29	
Tetrachloroethene	mg/kg	ND	0.0050	11/14/13 14:29	
Toluene	mg/kg	ND	0.0050	11/14/13 14:29	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	11/14/13 14:29	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	11/14/13 14:29	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	11/14/13 14:29	
Trichloroethene	mg/kg	ND	0.0050	11/14/13 14:29	
Trichlorofluoromethane	mg/kg	ND	0.0050	11/14/13 14:29	
Vinyl acetate	mg/kg	ND	0.10	11/14/13 14:29	
Vinyl chloride	mg/kg	ND	0.0050	11/14/13 14:29	
Xylene (Total)	mg/kg	ND	0.010	11/14/13 14:29	
4-Bromofluorobenzene (S)	%.	99	56-144	11/14/13 14:29	
Dibromofluoromethane (S)	%.	98	85-118	11/14/13 14:29	
Toluene-d8 (S)	%.	102	71-128	11/14/13 14:29	

LABORATORY CONTROL SAMPLE: 1013315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.05	0.040	79	62-123	
1,1,1-Trichloroethane	mg/kg	.05	0.042	84	70-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.047	94	65-124	
1,1,2-Trichloroethane	mg/kg	.05	0.046	93	74-129	
1,1-Dichloroethane	mg/kg	.05	0.044	88	73-130	
1,1-Dichloroethene	mg/kg	.05	0.038	76	66-126	
1,1-Dichloropropene	mg/kg	.05	0.045	90	78-125	
1,2,3-Trichlorobenzene	mg/kg	.05	0.043	86	66-131	
1,2,4-Trichlorobenzene	mg/kg	.05	0.044	89	68-129	
1,2,4-Trimethylbenzene	mg/kg	.05	0.046	91	67-126	
1,2-Dichlorobenzene	mg/kg	.05	0.043	85	73-122	
1,2-Dichloroethane	mg/kg	.05	0.041	83	73-127	
1,2-Dichloropropane	mg/kg	.05	0.048	95	75-118	
1,3,5-Trimethylbenzene	mg/kg	.05	0.046	92	65-127	
1,3-Dichlorobenzene	mg/kg	.05	0.042	84	73-121	
1,3-Dichloropropane	mg/kg	.05	0.047	94	72-121	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

LABORATORY CONTROL SAMPLE: 1013315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/kg	.05	0.041	82	75-119	
2,2-Dichloropropane	mg/kg	.05	0.039	78	63-122	
2-Butanone (MEK)	mg/kg	.25	0.25	98	59-139	
2-Chlorotoluene	mg/kg	.05	0.045	89	72-121	
2-Hexanone	mg/kg	.25	0.23	92	56-139	
4-Chlorotoluene	mg/kg	.05	0.044	88	75-123	
4-Methyl-2-pentanone (MIBK)	mg/kg	.25	0.24	94	63-136	
Acetone	mg/kg	.25	0.27	107	46-156	
Acrolein	mg/kg	1	1.3	127	47-200	
Benzene	mg/kg	.05	0.041	82	74-119	
Bromobenzene	mg/kg	.05	0.041	83	69-129	
Bromochloromethane	mg/kg	.05	0.051	102	67-129	
Bromodichloromethane	mg/kg	.05	0.039	78	68-121	
Bromoform	mg/kg	.05	0.036	72	49-124	
Bromomethane	mg/kg	.05	0.046	91	44-142	
Carbon disulfide	mg/kg	.1	0.080	80	61-129	
Carbon tetrachloride	mg/kg	.05	0.036	73	58-127	
Chlorobenzene	mg/kg	.05	0.040	81	77-122	
Chloroethane	mg/kg	.05	0.051	102	59-141	
Chloroform	mg/kg	.05	0.041	82	75-124	
Chloromethane	mg/kg	.05	0.043	86	46-133	
cis-1,2-Dichloroethene	mg/kg	.05	0.043	87	72-122	
cis-1,3-Dichloropropene	mg/kg	.05	0.042	84	68-115	
Dibromochloromethane	mg/kg	.05	0.040	80	60-121	
Dibromomethane	mg/kg	.05	0.043	86	72-124	
Dichlorodifluoromethane	mg/kg	.05	0.038	76	26-186	
Ethyl methacrylate	mg/kg	.2	0.18	89	63-130	
Ethylbenzene	mg/kg	.05	0.043	85	72-123	
Iodomethane	mg/kg	.1	0.080J	80	38-149	
Isopropylbenzene (Cumene)	mg/kg	.05	0.044	88	65-123	
Methyl-tert-butyl ether	mg/kg	.1	0.085	85	68-120	
Methylene Chloride	mg/kg	.05	0.049	98	57-142	
n-Butylbenzene	mg/kg	.05	0.045	90	68-125	
n-Hexane	mg/kg	.05	0.039	77	57-117	N2
n-Propylbenzene	mg/kg	.05	0.045	90	68-122	
p-Isopropyltoluene	mg/kg	.05	0.046	92	66-133	
sec-Butylbenzene	mg/kg	.05	0.046	92	64-131	
Styrene	mg/kg	.05	0.045	90	70-126	
tert-Butylbenzene	mg/kg	.05	0.043	87	46-124	
Tetrachloroethene	mg/kg	.05	0.039	77	72-126	
Toluene	mg/kg	.05	0.040	81	71-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.038	77	69-123	
trans-1,3-Dichloropropene	mg/kg	.05	0.042	84	66-114	
trans-1,4-Dichloro-2-butene	mg/kg	.2	0.18	88	61-124	
Trichloroethene	mg/kg	.05	0.040	81	74-123	
Trichlorofluoromethane	mg/kg	.05	0.042	85	72-146	
Vinyl acetate	mg/kg	.2	0.24	119	57-131	
Vinyl chloride	mg/kg	.05	0.048	97	55-128	

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(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

LABORATORY CONTROL SAMPLE: 1013315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	mg/kg	.15	0.13	86	66-124	
4-Bromofluorobenzene (S)	%.			99	56-144	
Dibromofluoromethane (S)	%.			101	85-118	
Toluene-d8 (S)	%.			100	71-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

QC Batch: OEXT/34283 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 3546 Analysis Description: EPA 8015 TPH Ohio
Associated Lab Samples: 5089270001, 5089270003, 5089270004, 5089270005, 5089270006, 5089270007, 5089270008, 5089270009, 5089270010, 5089270011, 5089270012

METHOD BLANK: 1006959 Matrix: Solid
Associated Lab Samples: 5089270001, 5089270003, 5089270004, 5089270005, 5089270006, 5089270007, 5089270008, 5089270009, 5089270010, 5089270011, 5089270012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	ND	20.0	11/05/13 11:18	
TPH (C10-C20)	mg/kg	ND	10.0	11/05/13 11:18	
TPH (C20-C34)	mg/kg	ND	10.0	11/05/13 11:18	
n-Pentacosane (S)	%.	77	30-153	11/05/13 11:18	

LABORATORY CONTROL SAMPLE: 1006960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	83.3	58.0	70	43-88	
n-Pentacosane (S)	%.			81	30-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006961 1006962

Parameter	Units	5089280002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/kg	70.4	98	98	131	126	62	57	10-136	4	20	
n-Pentacosane (S)	%.						158	157	30-153		20	5d

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

QC Batch: OEXT/34282 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 5089270001, 5089270003, 5089270004, 5089270005, 5089270006, 5089270007, 5089270008, 5089270009, 5089270010, 5089270011, 5089270012

METHOD BLANK: 1006955 Matrix: Solid
Associated Lab Samples: 5089270001, 5089270003, 5089270004, 5089270005, 5089270006, 5089270007, 5089270008, 5089270009, 5089270010, 5089270011, 5089270012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	100	11/05/13 14:50	
PCB-1221 (Aroclor 1221)	ug/kg	ND	100	11/05/13 14:50	
PCB-1232 (Aroclor 1232)	ug/kg	ND	100	11/05/13 14:50	
PCB-1242 (Aroclor 1242)	ug/kg	ND	100	11/05/13 14:50	
PCB-1248 (Aroclor 1248)	ug/kg	ND	100	11/05/13 14:50	
PCB-1254 (Aroclor 1254)	ug/kg	ND	100	11/05/13 14:50	
PCB-1260 (Aroclor 1260)	ug/kg	ND	100	11/05/13 14:50	
Tetrachloro-m-xylene (S)	%.	67	30-106	11/05/13 14:50	

LABORATORY CONTROL SAMPLE: 1006956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	122	73	42-100	
PCB-1260 (Aroclor 1260)	ug/kg	167	112	67	40-106	
Tetrachloro-m-xylene (S)	%.			69	30-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006957 1006958

Parameter	Units	5089280002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	197	195	120	126	61	64	10-145	4	20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	197	195	109J	118	55	61	16-132	8	20	
Tetrachloro-m-xylene (S)	%.						58	60	30-106		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

QC Batch: OEXT/34284 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
Associated Lab Samples: 5089270001, 5089270003, 5089270004, 5089270005, 5089270006, 5089270007, 5089270008, 5089270009, 5089270010, 5089270011, 5089270012

METHOD BLANK: 1006963 Matrix: Solid
Associated Lab Samples: 5089270001, 5089270003, 5089270004, 5089270005, 5089270006, 5089270007, 5089270008, 5089270009, 5089270010, 5089270011, 5089270012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/kg	ND	330	11/13/13 01:39	
2,4,6-Trichlorophenol	ug/kg	ND	330	11/13/13 01:39	
2,4-Dichlorophenol	ug/kg	ND	330	11/13/13 01:39	
2,4-Dimethylphenol	ug/kg	ND	330	11/13/13 01:39	
2,4-Dinitrophenol	ug/kg	ND	1600	11/13/13 01:39	
2,4-Dinitrotoluene	ug/kg	ND	330	11/13/13 01:39	
2,6-Dinitrotoluene	ug/kg	ND	330	11/13/13 01:39	
2-Chloronaphthalene	ug/kg	ND	330	11/13/13 01:39	
2-Chlorophenol	ug/kg	ND	330	11/13/13 01:39	
2-Methylnaphthalene	ug/kg	ND	330	11/13/13 01:39	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	11/13/13 01:39	
2-Nitroaniline	ug/kg	ND	1600	11/13/13 01:39	
2-Nitrophenol	ug/kg	ND	330	11/13/13 01:39	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	660	11/13/13 01:39	
3-Nitroaniline	ug/kg	ND	1600	11/13/13 01:39	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1600	11/13/13 01:39	
4-Bromophenylphenyl ether	ug/kg	ND	330	11/13/13 01:39	
4-Chloro-3-methylphenol	ug/kg	ND	660	11/13/13 01:39	
4-Chloroaniline	ug/kg	ND	660	11/13/13 01:39	
4-Chlorophenylphenyl ether	ug/kg	ND	330	11/13/13 01:39	
4-Nitroaniline	ug/kg	ND	1600	11/13/13 01:39	
4-Nitrophenol	ug/kg	ND	1600	11/13/13 01:39	
Acenaphthene	ug/kg	ND	330	11/13/13 01:39	
Acenaphthylene	ug/kg	ND	330	11/13/13 01:39	
Anthracene	ug/kg	ND	330	11/13/13 01:39	
Benzo(a)anthracene	ug/kg	ND	330	11/13/13 01:39	
Benzo(a)pyrene	ug/kg	ND	170	11/13/13 01:39	
Benzo(b)fluoranthene	ug/kg	ND	330	11/13/13 01:39	
Benzo(g,h,i)perylene	ug/kg	ND	330	11/13/13 01:39	
Benzo(k)fluoranthene	ug/kg	ND	330	11/13/13 01:39	
Benzyl alcohol	ug/kg	ND	660	11/13/13 01:39	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	11/13/13 01:39	
bis(2-Chloroethyl) ether	ug/kg	ND	330	11/13/13 01:39	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	11/13/13 01:39	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	11/13/13 01:39	
Butylbenzylphthalate	ug/kg	ND	330	11/13/13 01:39	
Chrysene	ug/kg	ND	330	11/13/13 01:39	
Di-n-butylphthalate	ug/kg	ND	330	11/13/13 01:39	
Di-n-octylphthalate	ug/kg	ND	330	11/13/13 01:39	
Dibenz(a,h)anthracene	ug/kg	ND	170	11/13/13 01:39	
Dibenzofuran	ug/kg	ND	330	11/13/13 01:39	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

METHOD BLANK: 1006963 Matrix: Solid

Associated Lab Samples: 5089270001, 5089270003, 5089270004, 5089270005, 5089270006, 5089270007, 5089270008, 5089270009, 5089270010, 5089270011, 5089270012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diethylphthalate	ug/kg	ND	330	11/13/13 01:39	
Dimethylphthalate	ug/kg	ND	330	11/13/13 01:39	
Fluoranthene	ug/kg	ND	330	11/13/13 01:39	
Fluorene	ug/kg	ND	330	11/13/13 01:39	
Hexachlorocyclopentadiene	ug/kg	ND	330	11/13/13 01:39	
Hexachloroethane	ug/kg	ND	330	11/13/13 01:39	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	11/13/13 01:39	
Isophorone	ug/kg	ND	330	11/13/13 01:39	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	11/13/13 01:39	
N-Nitrosodiphenylamine	ug/kg	ND	330	11/13/13 01:39	
Naphthalene	ug/kg	ND	330	11/13/13 01:39	
Nitrobenzene	ug/kg	ND	330	11/13/13 01:39	
Phenanthrene	ug/kg	ND	330	11/13/13 01:39	
Phenol	ug/kg	ND	330	11/13/13 01:39	
Pyrene	ug/kg	ND	330	11/13/13 01:39	
2,4,6-Tribromophenol (S)	%.	77	16-122	11/13/13 01:39	
2-Fluorobiphenyl (S)	%.	68	31-94	11/13/13 01:39	
2-Fluorophenol (S)	%.	83	24-104	11/13/13 01:39	
Nitrobenzene-d5 (S)	%.	70	28-101	11/13/13 01:39	
p-Terphenyl-d14 (S)	%.	92	26-110	11/13/13 01:39	
Phenol-d5 (S)	%.	77	28-101	11/13/13 01:39	

LABORATORY CONTROL SAMPLE: 1006964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	3330	2240	67	39-103	
2-Chlorophenol	ug/kg	3330	2030	61	38-96	
2-Methylnaphthalene	ug/kg	3330	2240	67	36-94	
4-Chloro-3-methylphenol	ug/kg	3330	2050	62	38-104	
4-Nitrophenol	ug/kg	3330	2180	65	34-104	
Acenaphthene	ug/kg	3330	2380	71	43-99	
Acenaphthylene	ug/kg	3330	2440	73	42-101	
Anthracene	ug/kg	3330	2460	74	46-107	
Benzo(a)anthracene	ug/kg	3330	2490	75	45-108	
Benzo(a)pyrene	ug/kg	3330	2670	80	47-113	
Benzo(b)fluoranthene	ug/kg	3330	2680	80	41-110	
Benzo(g,h,i)perylene	ug/kg	3330	2540	76	42-112	
Benzo(k)fluoranthene	ug/kg	3330	2350	71	44-107	
Chrysene	ug/kg	3330	2560	77	43-103	
Dibenz(a,h)anthracene	ug/kg	3330	2660	80	43-110	
Fluoranthene	ug/kg	3330	2370	71	45-105	
Fluorene	ug/kg	3330	2430	73	42-103	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	2510	75	43-111	
N-Nitroso-di-n-propylamine	ug/kg	3330	2070	62	37-96	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

LABORATORY CONTROL SAMPLE: 1006964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	3330	2140	64	44-100	
Phenanthrene	ug/kg	3330	2510	75	44-104	
Phenol	ug/kg	3330	2040	61	37-101	
Pyrene	ug/kg	3330	2290	69	44-105	
2,4,6-Tribromophenol (S)	%.			76	16-122	
2-Fluorobiphenyl (S)	%.			70	31-94	
2-Fluorophenol (S)	%.			71	24-104	
Nitrobenzene-d5 (S)	%.			67	28-101	
p-Terphenyl-d14 (S)	%.			82	26-110	
Phenol-d5 (S)	%.			69	28-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006965 1006966

Parameter	Units	5089280002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/kg	ND	3960	3960	2560	2890	65	73	15-102	12	20	
2-Chlorophenol	ug/kg	ND	3960	3960	2350	2710	59	68	22-96	14	20	
2-Methylnaphthalene	ug/kg	ND	3960	3960	2510	2920	62	73	14-107	15	20	
4-Chloro-3-methylphenol	ug/kg	ND	3960	3960	2540	2950	64	75	21-105	15	20	
4-Nitrophenol	ug/kg	ND	3960	3960	2640	2900	67	73	12-107	9	20	
Acenaphthene	ug/kg	ND	3960	3960	2530	2970	62	73	19-110	16	20	
Acenaphthylene	ug/kg	ND	3960	3960	2610	2950	65	73	21-106	12	20	
Anthracene	ug/kg	262J	3960	3960	2830	3280	65	76	22-112	15	20	
Benzo(a)anthracene	ug/kg	1070	3960	3960	3090	3900	51	72	13-116	23	20	R1
Benzo(a)pyrene	ug/kg	1000	3960	3960	3120	3840	53	72	11-119	21	20	R1
Benzo(b)fluoranthene	ug/kg	1520	3960	3960	3060	4100	39	65	10-126	29	20	R1
Benzo(g,h,i)perylene	ug/kg	584	3960	3960	2710	3440	54	72	10-114	24	20	R1
Benzo(k)fluoranthene	ug/kg	443	3960	3960	3110	3280	67	72	10-117	5	20	
Chrysene	ug/kg	960	3960	3960	2760	3510	45	64	14-107	24	20	R1
Dibenz(a,h)anthracene	ug/kg	ND	3960	3960	2570	3150	61	76	10-119	20	20	
Fluoranthene	ug/kg	2170	3960	3960	3570	4120	35	49	17-110	14	20	
Fluorene	ug/kg	ND	3960	3960	2760	3270	67	80	17-115	17	20	
Indeno(1,2,3-cd)pyrene	ug/kg	530	3960	3960	2670	3360	54	71	11-111	23	20	R1
N-Nitroso-di-n-propylamine	ug/kg	ND	3960	3960	2490	2730	63	69	18-103	9	20	
Naphthalene	ug/kg	ND	3960	3960	2270	2750	57	69	16-102	19	20	
Phenanthrene	ug/kg	1020	3960	3960	3310	4250	58	82	10-128	25	20	R1
Phenol	ug/kg	ND	3960	3960	2440	2770	62	70	22-97	13	20	
Pyrene	ug/kg	1660	3960	3960	3270	3630	41	50	10-123	11	20	
2,4,6-Tribromophenol (S)	%.						72	83	16-122			
2-Fluorobiphenyl (S)	%.						59	69	31-94			
2-Fluorophenol (S)	%.						66	78	24-104			
Nitrobenzene-d5 (S)	%.						58	71	26-98			
p-Terphenyl-d14 (S)	%.						73	74	26-110			
Phenol-d5 (S)	%.						66	78	28-101			

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

QC Batch: PMST/8906 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5089270001, 5089270003, 5089270004, 5089270005, 5089270006, 5089270007, 5089270008, 5089270009, 5089270010, 5089270011, 5089270012

SAMPLE DUPLICATE: 1007173

Parameter	Units	5089270001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.8	10.8	1	5	

SAMPLE DUPLICATE: 1007174

Parameter	Units	5089272007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.5	14.2	21	5	R1

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

QC Batch: WET/13667 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 5089270001, 5089270005, 5089270008, 5089270012

SAMPLE DUPLICATE: 1007047

Parameter	Units	5089243002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.0	7.8	3	20	

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Due to the viscosity of the extract, it was run at 10x. KES 11-14-13
2d	RPD is outside control limits due to sample non-homogeneity. FRW 11-5-13
3d	Sample results from a 25x dilution did not confirm. grm 11-18-13
4d	Surrogate recovery high outside laboratory control limits (confirmed by re-analysis). BJG 11-5-13
5d	The surrogate recovery exceeds the upper limit due to significant contribution from the target analyte. CEM 11/05/13
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

METHOD CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Parameter	Matrix	Analytical Method	Preparation Method
6010 MET ICP	Solid	SW-846 6010B	SW-846 3050B
7471 Mercury	Solid	SW-846 7471A	SW-846 7471A
8015 GRO 5035	Solid	SW-846 8015B	SW-846 5035A
8015 Gasoline Range Organics	Solid	SW-846 8015A	SW-846 5030A
8015 TPH Ohio Microwave	Solid	SW-846 8015B	SW-846 3546
8082 GCS PCB	Solid	SW-846 8082	SW-846 3546
8260 MSV	Water	SW-846 8260B	SW-846 5030B
8260 MSV 5035A VOA	Solid	SW-846 8260B	SW-846 5035A
8270 MSSV SHORT LIST MICROWAVE	Solid	SW-846 8270C	SW-846 3546

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089270001	**FAW-SB04(0-2)-103113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089270003	**FAW-SB04(2-4)-103113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089270004	**FAW-SB04(8-10)-103113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089270005	**FAW-SB05(0-2)-103113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089270006	**FAW-SB05(2-4)-103113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089270007	**FAW-SB05(6-8)-103113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089270008	**FAW-SB12(0-2)-103113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089270009	**FAW-SB12(2-4)-103113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089270010	**FAW-SB12(4-6)-103113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089270011	**FAW-SB10(2-4)-103113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089270012	**FAW-SB10(4-6)-103113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089270001	**FAW-SB04(0-2)-103113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089270003	**FAW-SB04(2-4)-103113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089270004	**FAW-SB04(8-10)-103113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089270005	**FAW-SB05(0-2)-103113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089270006	**FAW-SB05(2-4)-103113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089270007	**FAW-SB05(6-8)-103113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089270008	**FAW-SB12(0-2)-103113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089270009	**FAW-SB12(2-4)-103113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089270010	**FAW-SB12(4-6)-103113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089270011	**FAW-SB10(2-4)-103113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089270012	**FAW-SB10(4-6)-103113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089270007	**FAW-SB05(6-8)-103113**	EPA 8015 Mod Pur	GCV/17351		
5089270008	**FAW-SB12(0-2)-103113**	EPA 8015 Mod Pur	GCV/17351		
5089270009	**FAW-SB12(2-4)-103113**	EPA 8015 Mod Pur	GCV/17351		
5089270010	**FAW-SB12(4-6)-103113**	EPA 8015 Mod Pur	GCV/17351		
5089270012	**FAW-SB10(4-6)-103113**	EPA 8015 Mod Pur	GCV/17351		
5089270001	**FAW-SB04(0-2)-103113**	EPA 3050	MPRP/12373	EPA 6010	ICP/13704
5089270003	**FAW-SB04(2-4)-103113**	EPA 3050	MPRP/12373	EPA 6010	ICP/13704
5089270004	**FAW-SB04(8-10)-103113**	EPA 3050	MPRP/12373	EPA 6010	ICP/13704
5089270005	**FAW-SB05(0-2)-103113**	EPA 3050	MPRP/12373	EPA 6010	ICP/13704
5089270006	**FAW-SB05(2-4)-103113**	EPA 3050	MPRP/12373	EPA 6010	ICP/13704
5089270007	**FAW-SB05(6-8)-103113**	EPA 3050	MPRP/12373	EPA 6010	ICP/13704
5089270008	**FAW-SB12(0-2)-103113**	EPA 3050	MPRP/12373	EPA 6010	ICP/13704
5089270009	**FAW-SB12(2-4)-103113**	EPA 3050	MPRP/12373	EPA 6010	ICP/13704
5089270010	**FAW-SB12(4-6)-103113**	EPA 3050	MPRP/12373	EPA 6010	ICP/13704
5089270011	**FAW-SB10(2-4)-103113**	EPA 3050	MPRP/12373	EPA 6010	ICP/13704
5089270012	**FAW-SB10(4-6)-103113**	EPA 3050	MPRP/12373	EPA 6010	ICP/13704
5089270001	**FAW-SB04(0-2)-103113**	EPA 7471	MERP/5014	EPA 7471	MERC/5352
5089270003	**FAW-SB04(2-4)-103113**	EPA 7471	MERP/5014	EPA 7471	MERC/5352
5089270004	**FAW-SB04(8-10)-103113**	EPA 7471	MERP/5014	EPA 7471	MERC/5352
5089270005	**FAW-SB05(0-2)-103113**	EPA 7471	MERP/5014	EPA 7471	MERC/5352
5089270006	**FAW-SB05(2-4)-103113**	EPA 7471	MERP/5014	EPA 7471	MERC/5352
5089270007	**FAW-SB05(6-8)-103113**	EPA 7471	MERP/5014	EPA 7471	MERC/5352
5089270008	**FAW-SB12(0-2)-103113**	EPA 7471	MERP/5014	EPA 7471	MERC/5352
5089270009	**FAW-SB12(2-4)-103113**	EPA 7471	MERP/5014	EPA 7471	MERC/5352
5089270010	**FAW-SB12(4-6)-103113**	EPA 7471	MERP/5014	EPA 7471	MERC/5352

REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
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(317)875-5894

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089270

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089270011	**FAW-SB10(2-4)-103113**	EPA 7471	MERP/5014	EPA 7471	MERC/5352
5089270012	**FAW-SB10(4-6)-103113**	EPA 7471	MERP/5014	EPA 7471	MERC/5352
5089270001	**FAW-SB04(0-2)-103113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089270003	**FAW-SB04(2-4)-103113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089270004	**FAW-SB04(8-10)-103113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089270005	**FAW-SB05(0-2)-103113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089270006	**FAW-SB05(2-4)-103113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089270007	**FAW-SB05(6-8)-103113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089270008	**FAW-SB12(0-2)-103113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089270009	**FAW-SB12(2-4)-103113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089270010	**FAW-SB12(4-6)-103113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089270011	**FAW-SB10(2-4)-103113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089270012	**FAW-SB10(4-6)-103113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089270002	**FAW-TB07-103113**	EPA 8260	MSV/59198		
5089270007	**FAW-SB05(6-8)-103113**	EPA 8260	MSV/59219		
5089270008	**FAW-SB12(0-2)-103113**	EPA 8260	MSV/59219		
5089270009	**FAW-SB12(2-4)-103113**	EPA 8260	MSV/59219		
5089270010	**FAW-SB12(4-6)-103113**	EPA 8260	MSV/59365		
5089270012	**FAW-SB10(4-6)-103113**	EPA 8260	MSV/59219		
5089270001	**FAW-SB04(0-2)-103113**	ASTM D2974-87	PMST/8906		
5089270003	**FAW-SB04(2-4)-103113**	ASTM D2974-87	PMST/8906		
5089270004	**FAW-SB04(8-10)-103113**	ASTM D2974-87	PMST/8906		
5089270005	**FAW-SB05(0-2)-103113**	ASTM D2974-87	PMST/8906		
5089270006	**FAW-SB05(2-4)-103113**	ASTM D2974-87	PMST/8906		
5089270007	**FAW-SB05(6-8)-103113**	ASTM D2974-87	PMST/8906		
5089270008	**FAW-SB12(0-2)-103113**	ASTM D2974-87	PMST/8906		
5089270009	**FAW-SB12(2-4)-103113**	ASTM D2974-87	PMST/8906		
5089270010	**FAW-SB12(4-6)-103113**	ASTM D2974-87	PMST/8906		
5089270011	**FAW-SB10(2-4)-103113**	ASTM D2974-87	PMST/8906		
5089270012	**FAW-SB10(4-6)-103113**	ASTM D2974-87	PMST/8906		
5089270001	**FAW-SB04(0-2)-103113**	EPA 9045	WET/13667		
5089270005	**FAW-SB05(0-2)-103113**	EPA 9045	WET/13667		
5089270008	**FAW-SB12(0-2)-103113**	EPA 9045	WET/13667		
5089270012	**FAW-SB10(4-6)-103113**	EPA 9045	WET/13667		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1718762

Section A Required Client Information:

Company: Weston Solutions
Address: 711 E. Monument Ave Dayton OH 45402
Email To: laura.funk@westonsolutions.com
Phone: 937-531-4402 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: laura.funk@westonsolutions.com
Copy To:
Purchase Order No.:
Project Name: FAW
Project Number: 20405.016.008.2234.00

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER Ohio Vap

Site Location STATE: OH

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	FOC	SVOC	PCB	TPH DRO	Metals	pH	VOC	TPH GRO	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FAW-SB04(0-2)-103113	SL	G	10-31	0838				3											X	X	X	X	X				
2	FAW-TB07-103113			10-31																					X			
3	FAW-SB04(2-4)-103113	SL	G	10-31	0855				3										X	X	X	X	X					
4	FAW-SB04(8-10)-103113	SL	G	10-31	0905				2											X	X	X	X					
5	FAW-SB05(0-2)-103113	SL	G	10-31	0920				3											X	X	X	X	X				
6	FAW-SB05(2-4)-103113	SL	G	10-31	0925				2											X	X	X	X					
7	FAW-SB05(6-8)-103113	SL	G	10-31	0940				9										X	X	X	X	X		X	X		
8	FAW-SB12(0-2)-103113	SL	G	10-31	1040				9											X	X	X	X	X	X	X		
9	FAW-SB12(2-4)-103113	SL	G	10-31	1055				9										X	X	X	X	X		X	X		
10	FAW-SB12(4-6)-103113	SL	G	10-31	1107				8											X	X	X	X		X	X		
11	FAW-SB10(2-4)-103113	SL	G	10-31	1500				2										X	X	X	X	X					
12	FAW-SB10(4-6)-103113	SL	G	10-31	1505				9											X	X	X	X	X	X	X		

5089270

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Dustin Bates	~~10-31~~ 10-31	1536	[signature]	10/31/13	1545	

W1/ outside courier from FED EX
910113@1822 aw
2.1c

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dustin Bates
SIGNATURE of SAMPLER: Dustin Bates
DATE Signed (MM/DD/YY): 10/31/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Client Name: Weston Solutions Project # 5089270

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other outside courier

Tracking #:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Date/Time 5035A kits placed in freezer: 110113/1834

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used: 1 2 3 4 6 A B C D E Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable): 2.1c Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 110113 CW

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	6.
Containers Intact:	☒Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒Yes ☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: (VOA) coliform, TOC, O&G	☐Yes ☒No ☐N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	10.
Trip Blank Present:	☐Yes ☐No ☐N/A	11.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	12.
Sufficient Volume:	☒Yes ☐No ☐N/A	13.
Correct Containers Used:	☒Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: L. Funk Date/Time: 11/4/13

Comments/ Resolution:

Via email, run SB 10(2-4) for FOC.

Project Manager Review: Kenneth Funk **Date:** 11/2/13

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: Weston Solutions

COC PAGE 1 of 1
COC ID# 17187762

Project # 5089270

Sample Line Item

Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1			3													
2	1															
3			3													
4			2													
5			3													
6			2													
7			3		6											
8			3		6											
9			2		6											
10			~~2~~		6											
11			3		~~6~~											
12			3		6											extra bottle FOC

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 07, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161341
Project ID: 5089270 / Weston Solution

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on November 05, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161341

Client: PASI Indianapolis

Project ID: 5089270 / Weston Solution

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/7/2013 14:12:34

Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161341

Client: PASI Indianapolis

Project ID: 5089270 / Weston Solution

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-SB04(2-4)-103113	201140133	Soil	31-Oct-13 08:55	05-Nov-13 11:00
FAW-SB05(6-8)-103113	201140137	Soil	31-Oct-13 09:40	05-Nov-13 11:00
FAW-SB12(2-4)-103113	201140138	Soil	31-Oct-13 10:55	05-Nov-13 11:00
FAW-SB10 (2-4)-103113	201140139	Soil	31-Oct-13 15:00	05-Nov-13 11:00

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161341

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Matrix Spikes and Duplicates:

All MS/MSD recoveries or duplicate RPDs were within QC limits.

QC Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161341

Analytical Method	Batch	Sample used for QC
Dry Weight Moisture	220903	Client sample FAW-SB03(2-4)-103113 from project 20161348
ASTM D2974	220785	Client sample FAW-SB03(2-4)-103113 from project 20161348

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB04(2-4)-103113
Project: 20161341
Project ID: 5089270 / Weston Solution
Site: None
Lab ID: 201140133
Matrix: Soil
%Moisture: 7.5 Not Corrected
Description: None

Collected: 31-Oct-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220785	1	1.76		% (w/w)	0.100	05-Nov-13	05-Nov-13 16:13 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

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Sample Results

Client: PASI Indianapolis

Client ID: FAW-SB05(6-8)-103113
Project: 20161341
Project ID: 5089270 / Weston Solution
Site: None
Lab ID: 201140137
Matrix: Soil
%Moisture: 9.3 Not Corrected
Description: None

Collected: 31-Oct-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220785	1	6.25		% (w/w)	0.100	05-Nov-13	05-Nov-13 16:13 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB12(2-4)-103113
Project: 20161341
Project ID: 5089270 / Weston Solution
Site: None
Lab ID: 201140138
Matrix: Soil
%Moisture: 13.9 Not Corrected
Description: None

Collected: 31-Oct-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220785	1	2.48		% (w/w)	0.100	05-Nov-13	05-Nov-13 16:13 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-SB10 (2-4)-103113
Project: 20161341
Project ID: 5089270 / Weston Solution
Site: None
Lab ID: 201140139
Matrix: Soil
%Moisture: 10.3 Not Corrected
Description: None

Collected: 31-Oct-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	220785	1	5.73		% (w/w)	0.100	05-Nov-13	05-Nov-13 16:13 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

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(504) 469-0333

Project: 20161341

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	220785	<0.100	% (w/w)										7			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Project: 20161341

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

20161341 PASI-INDI

Chain of Custody

www.pacelabs.com

Workorder: 5089270 **Workorder Name:** FAW 20405.016.008.2234.00 **Owner Received Date:** 11/1/2013 **Results Requested By:** 11/15/2013

Report To	Subcontract To
Kenneth Hunt Pace Analytical Services, Inc. 7726 Moller Road Indianapolis, IN 46268 Phone (317)875-5894 Fax (317)872-6189	Pace Analytical New Orleans 1000 Riverbend Blvd Suite F St. Rose, LA 70087 Phone (504)469-0333

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: 4oz	Requested Analysis: FOC, ASTM	LAB USE ONLY
1	FAW-SB04(2-4)-103113	PS	10/31/2013 08:55	5089270003	Solid	1	X	201140133
2	FAW-SB05(6-8)-103113	PS	10/31/2013 09:40	5089270007	Solid	1	X	" 137
3	FAW-SB12(2-4)-103113	PS	10/31/2013 10:55	5089270009	Solid	1	X	" 138
4	FAW-SB10(2-4)-103113	PS	10/31/2013 15:00	5089270011	Solid	1	X	" 139
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Maria Bennett	11/4/13 10:26		
2	FedEX	11-5-13 1100	J Miller	11-5-13
3				

Comments: 1100

Cooler Temperature on Receipt 1.9 °C Custody Seal Y or N Received on Ice Y or N Samples Intact Y or N

page 13 of 14

20161341 PASI-INDI

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Cond

Courier: ☐ Pace Courier ☐ Hired Courier ☒ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC] **Custody Seals intact:** ☒Yes ☐No

Therometer Used: ☐ Therm Fisher IR 5 ☒ Therm Fisher IR 6 ☐ Therm Fisher IR 7

Type of Ice: (Wet) Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 11-05-13 [illegible]

Temp must be measured from Temperature blank when present

		Comments:
Temperature Blank Present"?	☒Yes ☐No ☐N/A	1
Chain of Custody Present:	☒Yes ☐No ☐N/A	2
Chain of Custody Complete:	☒Yes ☐No ☐N/A	3
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	4
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	5
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	6
Sufficient Volume:	☒Yes ☐No ☐N/A	7
Correct Containers Used:	☒Yes ☐No ☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes ☐No ☒N/A	9
Sample Labels match COC:	☒Yes ☐No ☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☒Yes ☐No ☐N/A	11
All containers needing chemical preservation have been checked (except VOA, coliform, & O&G).	☐Yes ☐No ☒N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	13 If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☒N/A	14
Trip Blank Present:	☐Yes ☒No	15

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.08, 15Feb2013 SCUR Form - mod

Pace Analytical Services, Inc.
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Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

November 15, 2013

Ms. Laura Funk
Weston Solutions
711 East Monument Ave
Dayton, OH 45402

RE: Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Dear Ms. Funk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

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Indianapolis, IN 46268
(317)875-5894

SAMPLE SUMMARY

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5089280001	**FAW-SB08(0-2)-110113**	Solid	11/01/13 09:35	11/02/13 11:10
5089280002	**FAW-SB08(2-4)-110113**	Solid	11/01/13 09:45	11/02/13 11:10
5089280003	**FAW-SB08(8-10)-110113**	Solid	11/01/13 10:00	11/02/13 11:10
5089280004	**FAW-SB09(0-2)-110113**	Solid	11/01/13 08:35	11/02/13 11:10
5089280005	**FAW-SB09(0-2)-110113D**	Solid	11/01/13 08:35	11/02/13 11:10
5089280006	**FAW-SB09(2-4)-110113**	Solid	11/01/13 08:40	11/02/13 11:10
5089280007	**FAW-SB09(8-10)-110113**	Solid	11/01/13 08:50	11/02/13 11:10
5089280008	**FAW-MW02b(2-4)-110113**	Solid	11/01/13 10:55	11/02/13 11:10
5089280009	**FAW-TB12-110113**	Water	11/01/13 08:00	11/02/13 11:10
5089280010	**FAW-IDW03-110113**	Solid	11/01/13 13:20	11/02/13 11:10

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5089280001	**FAW-SB08(0-2)-110113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089280002	**FAW-SB08(2-4)-110113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089280003	**FAW-SB08(8-10)-110113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	GRM	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
		EPA 9045	TPD	1	PASI-I
5089280004	**FAW-SB09(0-2)-110113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
		EPA 9045	TPD	1	PASI-I
5089280005	**FAW-SB09(0-2)-110113D**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089280006	**FAW-SB09(2-4)-110113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089280007	**FAW-SB09(8-10)-110113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089280008	**FAW-MW02b(2-4)-110113**	EPA 8015 Mod Ext	CEM	4	PASI-I
		EPA 8082	DMT	8	PASI-I
		EPA 8015 Mod Pur	PTH	2	PASI-I
		EPA 6010	FRW	16	PASI-I
		EPA 7471	LLB	1	PASI-I
		EPA 8270	KES	62	PASI-I
		EPA 8260	GRM	68	PASI-I
		ASTM D2974-87	ZM	1	PASI-I
5089280009	**FAW-TB12-110113**	EPA 8260	GRM	68	PASI-I
5089280010	**FAW-IDW03-110113**	EPA 6010	LLB	7	PASI-I
		EPA 7470	LLB	1	PASI-I
		EPA 8270	KES	18	PASI-I
		EPA 8260	ALA	13	PASI-I
		EPA 1010	WDB	1	PASI-I

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(0-2)-110113 **Lab ID: 5089280001** Collected: 11/01/13 09:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**108**	mg/kg	23.5	5.9	1	11/04/13 12:32	11/05/13 14:11		
TPH (C10-C20)	**12.8**	mg/kg	11.8	5.9	1	11/04/13 12:32	11/05/13 14:11		
TPH (C20-C34)	**95.3**	mg/kg	11.8	5.9	1	11/04/13 12:32	11/05/13 14:11		
Surrogates									
n-Pentacosane (S)	198	%.	30-153		1	11/04/13 12:32	11/05/13 14:11	629-99-2	4d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	118	58.8	1	11/04/13 12:39	11/05/13 16:07	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	118	58.8	1	11/04/13 12:39	11/05/13 16:07	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	118	58.8	1	11/04/13 12:39	11/05/13 16:07	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	118	58.8	1	11/04/13 12:39	11/05/13 16:07	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	118	58.8	1	11/04/13 12:39	11/05/13 16:07	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	118	58.8	1	11/04/13 12:39	11/05/13 16:07	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	118	58.8	1	11/04/13 12:39	11/05/13 16:07	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	57	%.	30-106		1	11/04/13 12:39	11/05/13 16:07	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**14000**	mg/kg	55.5	27.8	1	11/04/13 09:24	11/05/13 08:52	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-36-0	
Arsenic	**11.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-38-2	
Barium	**181**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-39-3	
Beryllium	**0.69**	mg/kg	0.56	0.28	1	11/04/13 09:24	11/05/13 08:52	7440-41-7	
Cadmium	ND	mg/kg	2.2	0.56	1	11/04/13 09:24	11/05/13 08:52	7440-43-9	
Chromium	**17.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-47-3	
Cobalt	**9.1**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-48-4	
Copper	**20.6**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-50-8	
Lead	**47.7**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7439-92-1	
Nickel	**33.0**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-28-0	
Vanadium	**24.9**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-62-2	
Zinc	**118**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:52	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	0.21	1	11/11/13 14:20	11/12/13 11:42	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	83-32-9	
Acenaphthylene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	208-96-8	
Anthracene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1990	1930	10	11/04/13 12:32	11/13/13 14:46	50-32-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(0-2)-110113 **Lab ID: 5089280001** Collected: 11/01/13 09:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	207-08-9	
Benzyl alcohol	ND	ug/kg	7730	3870	10	11/04/13 12:32	11/13/13 14:46	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7730	3870	10	11/04/13 12:32	11/13/13 14:46	59-50-7	
4-Chloroaniline	ND	ug/kg	7730	3870	10	11/04/13 12:32	11/13/13 14:46	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	91-58-7	
2-Chlorophenol	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	7005-72-3	
Chrysene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1990	1930	10	11/04/13 12:32	11/13/13 14:46	53-70-3	
Dibenzofuran	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	120-83-2	
Diethylphthalate	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	105-67-9	
Dimethylphthalate	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	18700	9370	10	11/04/13 12:32	11/13/13 14:46	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18700	18700	10	11/04/13 12:32	11/13/13 14:46	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	117-81-7	
Fluoranthene	**1970J**	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	206-44-0	
Fluorene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3870	3870	10	11/04/13 12:32	11/13/13 14:46	77-47-4	
Hexachloroethane	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	193-39-5	
Isophorone	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7730	3870	10	11/04/13 12:32	11/13/13 14:46		
Naphthalene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	91-20-3	
2-Nitroaniline	ND	ug/kg	18700	9370	10	11/04/13 12:32	11/13/13 14:46	88-74-4	
3-Nitroaniline	ND	ug/kg	18700	9370	10	11/04/13 12:32	11/13/13 14:46	99-09-2	
4-Nitroaniline	ND	ug/kg	18700	9370	10	11/04/13 12:32	11/13/13 14:46	100-01-6	
Nitrobenzene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	98-95-3	
2-Nitrophenol	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	88-75-5	
4-Nitrophenol	ND	ug/kg	18700	9370	10	11/04/13 12:32	11/13/13 14:46	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(0-2)-110113 **Lab ID: 5089280001** Collected: 11/01/13 09:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	86-30-6	
Phenanthrene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	85-01-8	
Phenol	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	108-95-2	1d
Pyrene	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3870	1930	10	11/04/13 12:32	11/13/13 14:46	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	60	%.	28-101		10	11/04/13 12:32	11/13/13 14:46	4165-60-0	
2-Fluorobiphenyl (S)	56	%.	31-94		10	11/04/13 12:32	11/13/13 14:46	321-60-8	
p-Terphenyl-d14 (S)	69	%.	26-110		10	11/04/13 12:32	11/13/13 14:46	1718-51-0	
Phenol-d5 (S)	60	%.	28-101		10	11/04/13 12:32	11/13/13 14:46	4165-62-2	
2-Fluorophenol (S)	63	%.	24-104		10	11/04/13 12:32	11/13/13 14:46	367-12-4	
2,4,6-Tribromophenol (S)	56	%.	16-122		10	11/04/13 12:32	11/13/13 14:46	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.5**	%	0.10	0.10	1		11/04/13 15:00		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(2-4)-110113 **Lab ID: 5089280002** Collected: 11/01/13 09:45 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**70.4**	mg/kg	23.7	5.9	1	11/04/13 12:32	11/05/13 14:17		
TPH (C10-C20)	**6.4J**	mg/kg	11.8	5.9	1	11/04/13 12:32	11/05/13 14:17		
TPH (C20-C34)	**64.0**	mg/kg	11.8	5.9	1	11/04/13 12:32	11/05/13 14:17		
Surrogates									
n-Pentacosane (S)	169	%.	30-153		1	11/04/13 12:32	11/05/13 14:17	629-99-2	4d
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	118	20.0	1	11/04/13 12:39	11/05/13 16:13	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	118	20.0	1	11/04/13 12:39	11/05/13 16:13	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	118	20.0	1	11/04/13 12:39	11/05/13 16:13	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	118	20.0	1	11/04/13 12:39	11/05/13 16:13	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	118	20.0	1	11/04/13 12:39	11/05/13 16:13	12672-29-6	
PCB-1254 (Aroclor 1254)	**202**	ug/kg	118	20.0	1	11/04/13 12:39	11/05/13 16:13	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	118	20.0	1	11/04/13 12:39	11/05/13 16:13	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	62	%.	30-106		1	11/04/13 12:39	11/05/13 16:13	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**10300**	mg/kg	54.8	27.4	1	11/04/13 09:24	11/05/13 08:54	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-36-0	
Arsenic	**12.6**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-38-2	
Barium	**68.5**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-39-3	
Beryllium	**0.67**	mg/kg	0.55	0.27	1	11/04/13 09:24	11/05/13 08:54	7440-41-7	
Cadmium	ND	mg/kg	2.2	0.55	1	11/04/13 09:24	11/05/13 08:54	7440-43-9	
Chromium	**28.2**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-47-3	
Cobalt	**10.8**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-48-4	
Copper	**41.3**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-50-8	
Lead	**117**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7439-92-1	
Nickel	**26.3**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-28-0	
Vanadium	**18.1**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-62-2	
Zinc	**117**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 08:54	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.24**	mg/kg	0.24	0.20	1	11/11/13 14:20	11/12/13 11:44	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	83-32-9	
Acenaphthylene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	208-96-8	
Anthracene	**262J**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	120-12-7	
Benzo(a)anthracene	**1070**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	56-55-3	
Benzo(a)pyrene	**1000**	ug/kg	201	195	1	11/04/13 12:32	11/13/13 12:26	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(2-4)-110113 **Lab ID: 5089280002** Collected: 11/01/13 09:45 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**1520**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	205-99-2	
Benzo(g,h,i)perylene	**584**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	191-24-2	
Benzo(k)fluoranthene	**443**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	207-08-9	
Benzyl alcohol	ND	ug/kg	779	390	1	11/04/13 12:32	11/13/13 12:26	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	101-55-3	
Butylbenzylphthalate	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	779	390	1	11/04/13 12:32	11/13/13 12:26	59-50-7	
4-Chloroaniline	ND	ug/kg	779	390	1	11/04/13 12:32	11/13/13 12:26	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	108-60-1	
2-Chloronaphthalene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	91-58-7	
2-Chlorophenol	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	7005-72-3	
Chrysene	**960**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	201	195	1	11/04/13 12:32	11/13/13 12:26	53-70-3	
Dibenzofuran	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	120-83-2	
Diethylphthalate	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	105-67-9	
Dimethylphthalate	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	131-11-3	
Di-n-butylphthalate	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1890	944	1	11/04/13 12:32	11/13/13 12:26	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	1890	1	11/04/13 12:32	11/13/13 12:26	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	606-20-2	
Di-n-octylphthalate	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	117-81-7	
Fluoranthene	**2170**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	206-44-0	
Fluorene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	390	390	1	11/04/13 12:32	11/13/13 12:26	77-47-4	
Hexachloroethane	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	67-72-1	
Indeno(1,2,3-cd)pyrene	**530**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	193-39-5	
Isophorone	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	78-59-1	
2-Methylnaphthalene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	779	390	1	11/04/13 12:32	11/13/13 12:26		
Naphthalene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	91-20-3	
2-Nitroaniline	ND	ug/kg	1890	944	1	11/04/13 12:32	11/13/13 12:26	88-74-4	
3-Nitroaniline	ND	ug/kg	1890	944	1	11/04/13 12:32	11/13/13 12:26	99-09-2	
4-Nitroaniline	ND	ug/kg	1890	944	1	11/04/13 12:32	11/13/13 12:26	100-01-6	
Nitrobenzene	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	98-95-3	
2-Nitrophenol	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	944	1	11/04/13 12:32	11/13/13 12:26	100-02-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(2-4)-110113 **Lab ID: 5089280002** Collected: 11/01/13 09:45 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	86-30-6	
Phenanthrene	**1020**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	85-01-8	
Phenol	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	108-95-2	
Pyrene	**1660**	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	390	195	1	11/04/13 12:32	11/13/13 12:26	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	66	%.	28-101		1	11/04/13 12:32	11/13/13 12:26	4165-60-0	
2-Fluorobiphenyl (S)	65	%.	31-94		1	11/04/13 12:32	11/13/13 12:26	321-60-8	
p-Terphenyl-d14 (S)	81	%.	26-110		1	11/04/13 12:32	11/13/13 12:26	1718-51-0	
Phenol-d5 (S)	77	%.	28-101		1	11/04/13 12:32	11/13/13 12:26	4165-62-2	
2-Fluorophenol (S)	78	%.	24-104		1	11/04/13 12:32	11/13/13 12:26	367-12-4	
2,4,6-Tribromophenol (S)	77	%.	16-122		1	11/04/13 12:32	11/13/13 12:26	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.8**	%	0.10	0.10	1		11/04/13 15:00		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(8-10)-110113 **Lab ID: 5089280003** Collected: 11/01/13 10:00 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**7810**	mg/kg	2470	618	100	11/04/13 12:32	11/05/13 14:37		
TPH (C10-C20)	ND	mg/kg	1240	618	100	11/04/13 12:32	11/05/13 14:37		
TPH (C20-C34)	**7400**	mg/kg	1240	618	100	11/04/13 12:32	11/05/13 14:37		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		100	11/04/13 12:32	11/05/13 14:37	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	2470	1240	20	11/04/13 12:39	11/06/13 14:26	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	2470	1240	20	11/04/13 12:39	11/06/13 14:26	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	2470	1240	20	11/04/13 12:39	11/06/13 14:26	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	2470	1240	20	11/04/13 12:39	11/06/13 14:26	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	2470	1240	20	11/04/13 12:39	11/06/13 14:26	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	2470	1240	20	11/04/13 12:39	11/06/13 14:26	11097-69-1	
PCB-1260 (Aroclor 1260)	**1760J**	ug/kg	2470	1240	20	11/04/13 12:39	11/06/13 14:26	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		20	11/04/13 12:39	11/06/13 14:26	877-09-8	S4
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	**1.1**	mg/kg	0.95	0.47	1		11/07/13 21:44		
Surrogates									
4-Bromofluorobenzene (S)	77	%.	38-163		1		11/07/13 21:44	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**17900**	mg/kg	490	245	10	11/04/13 09:24	11/05/13 10:27	7429-90-5	
Antimony	**203**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-36-0	
Arsenic	**33.4**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-38-2	
Barium	**1360**	mg/kg	19.6	9.8	10	11/04/13 09:24	11/05/13 10:27	7440-39-3	
Beryllium	**1.3**	mg/kg	0.49	0.25	1	11/04/13 09:24	11/05/13 09:52	7440-41-7	
Cadmium	**67.8**	mg/kg	2.0	0.49	1	11/04/13 09:24	11/05/13 09:52	7440-43-9	
Chromium	**85.0**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-47-3	
Cobalt	**11.7**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-48-4	
Copper	**1090**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-50-8	
Lead	**8760**	mg/kg	19.6	9.8	10	11/04/13 09:24	11/05/13 10:27	7439-92-1	
Nickel	**261**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-02-0	
Selenium	ND	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7782-49-2	
Silver	**2.4**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-22-4	
Thallium	ND	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-28-0	
Vanadium	**16.3**	mg/kg	2.0	0.98	1	11/04/13 09:24	11/05/13 09:52	7440-62-2	
Zinc	**21000**	mg/kg	19.6	9.8	10	11/04/13 09:24	11/05/13 10:27	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	0.21	1	11/11/13 14:20	11/12/13 11:50	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(8-10)-110113 **Lab ID: 5089280003** Collected: 11/01/13 10:00 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	83-32-9	
Acenaphthylene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	208-96-8	
Anthracene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1050	1020	1	11/04/13 12:32	11/13/13 03:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	207-08-9	
Benzyl alcohol	ND	ug/kg	4060	2030	1	11/04/13 12:32	11/13/13 03:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	101-55-3	
Butylbenzylphthalate	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	4060	2030	1	11/04/13 12:32	11/13/13 03:39	59-50-7	
4-Chloroaniline	ND	ug/kg	4060	2030	1	11/04/13 12:32	11/13/13 03:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	108-60-1	
2-Chloronaphthalene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	91-58-7	
2-Chlorophenol	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	7005-72-3	
Chrysene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1050	1020	1	11/04/13 12:32	11/13/13 03:39	53-70-3	
Dibenzofuran	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	120-83-2	
Diethylphthalate	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	105-67-9	
Dimethylphthalate	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	131-11-3	
Di-n-butylphthalate	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	9850	4920	1	11/04/13 12:32	11/13/13 03:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	9850	9850	1	11/04/13 12:32	11/13/13 03:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	117-81-7	
Fluoranthene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	206-44-0	
Fluorene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	2030	2030	1	11/04/13 12:32	11/13/13 03:39	77-47-4	
Hexachloroethane	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	193-39-5	
Isophorone	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	78-59-1	
2-Methylnaphthalene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	4060	2030	1	11/04/13 12:32	11/13/13 03:39		
Naphthalene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	91-20-3	
2-Nitroaniline	ND	ug/kg	9850	4920	1	11/04/13 12:32	11/13/13 03:39	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(8-10)-110113 **Lab ID: 5089280003** Collected: 11/01/13 10:00 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	9850	4920	1	11/04/13 12:32	11/13/13 03:39	99-09-2	
4-Nitroaniline	ND	ug/kg	9850	4920	1	11/04/13 12:32	11/13/13 03:39	100-01-6	
Nitrobenzene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	98-95-3	
2-Nitrophenol	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	88-75-5	
4-Nitrophenol	ND	ug/kg	9850	4920	1	11/04/13 12:32	11/13/13 03:39	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	86-30-6	
Phenanthrene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	85-01-8	
Phenol	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	108-95-2	P3
Pyrene	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	2030	1020	1	11/04/13 12:32	11/13/13 03:39	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	0	%.	28-101		1	11/04/13 12:32	11/13/13 03:39	4165-60-0	3d
2-Fluorobiphenyl (S)	6	%.	31-94		1	11/04/13 12:32	11/13/13 03:39	321-60-8	3d
p-Terphenyl-d14 (S)	10	%.	26-110		1	11/04/13 12:32	11/13/13 03:39	1718-51-0	3d
Phenol-d5 (S)	0	%.	28-101		1	11/04/13 12:32	11/13/13 03:39	4165-62-2	3d
2-Fluorophenol (S)	0	%.	24-104		1	11/04/13 12:32	11/13/13 03:39	367-12-4	3d
2,4,6-Tribromophenol (S)	6	%.	16-122		1	11/04/13 12:32	11/13/13 03:39	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**0.12**	mg/kg	0.11	0.055	1		11/12/13 18:57	67-64-1	
Acrolein	ND	mg/kg	0.11	0.055	1		11/12/13 18:57	107-02-8	
Benzene	**0.0032J**	mg/kg	0.0055	0.0011	1		11/12/13 18:57	71-43-2	
Bromobenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	108-86-1	
Bromochloromethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-27-4	
Bromoform	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-25-2	
Bromomethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.028	0.013	1		11/12/13 18:57	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	0.0028	1		11/12/13 18:57	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	56-23-5	
Chlorobenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	108-90-7	
Chloroethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-00-3	
Chloroform	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	67-66-3	
Chloromethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	74-87-3	
2-Chlorotoluene	**0.044**	mg/kg	0.0055	0.0028	1		11/12/13 18:57	95-49-8	
4-Chlorotoluene	**0.011**	mg/kg	0.0055	0.0028	1		11/12/13 18:57	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	124-48-1	
Dibromomethane	ND	mg/kg	0.0055	0.0035	1		11/12/13 18:57	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(8-10)-110113 **Lab ID: 5089280003** Collected: 11/01/13 10:00 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	0.055	1		11/12/13 18:57	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	0.055	1		11/12/13 18:57	97-63-2	
n-Hexane	**0.0038J**	mg/kg	0.0055	0.0028	1		11/12/13 18:57	110-54-3	N2
2-Hexanone	ND	mg/kg	0.11	0.055	1		11/12/13 18:57	591-78-6	
Iodomethane	ND	mg/kg	0.11	0.055	1		11/12/13 18:57	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	99-87-6	
Methylene Chloride	ND	mg/kg	0.022	0.011	1		11/12/13 18:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.028	0.013	1		11/12/13 18:57	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0055	0.0015	1		11/12/13 18:57	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	103-65-1	
Styrene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0055	0.0021	1		11/12/13 18:57	127-18-4	
Toluene	**0.0083**	mg/kg	0.0055	0.0028	1		11/12/13 18:57	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	79-00-5	
Trichloroethene	ND	mg/kg	0.0055	0.0019	1		11/12/13 18:57	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-69-4	
1,2,4-Trimethylbenzene	**0.026**	mg/kg	0.0055	0.0028	1		11/12/13 18:57	95-63-6	
1,3,5-Trimethylbenzene	**0.014**	mg/kg	0.0055	0.0028	1		11/12/13 18:57	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	0.055	1		11/12/13 18:57	108-05-4	
Vinyl chloride	ND	mg/kg	0.0055	0.0028	1		11/12/13 18:57	75-01-4	
Xylene (Total)	**0.021**	mg/kg	0.011	0.0055	1		11/12/13 18:57	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	94	%.	85-118		1		11/12/13 18:57	1868-53-7	
Toluene-d8 (S)	117	%.	71-128		1		11/12/13 18:57	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB08(8-10)-110113 **Lab ID: 5089280003** Collected: 11/01/13 10:00 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	99	%.	56-144		1		11/12/13 18:57	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.6**	%	0.10	0.10	1		11/04/13 15:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.4**	Std. Units	0.10		1		11/04/13 12:56		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(0-2)-110113 **Lab ID: 5089280004** Collected: 11/01/13 08:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**290**	mg/kg	236	59.1	10	11/04/13 12:32	11/05/13 13:17		
TPH (C10-C20)	ND	mg/kg	118	59.1	10	11/04/13 12:32	11/05/13 13:17		
TPH (C20-C34)	**249**	mg/kg	118	59.1	10	11/04/13 12:32	11/05/13 13:17		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 13:17	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	2390	1190	20	11/04/13 12:39	11/07/13 17:31	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	2390	1190	20	11/04/13 12:39	11/07/13 17:31	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	2390	1190	20	11/04/13 12:39	11/07/13 17:31	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	2390	1190	20	11/04/13 12:39	11/07/13 17:31	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	2390	1190	20	11/04/13 12:39	11/07/13 17:31	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	2390	1190	20	11/04/13 12:39	11/07/13 17:31	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	2390	1190	20	11/04/13 12:39	11/07/13 17:31	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		20	11/04/13 12:39	11/07/13 17:31	877-09-8	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11600**	mg/kg	58.5	29.3	1	11/04/13 09:24	11/05/13 10:02	7429-90-5	
Antimony	**1.3J**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-36-0	
Arsenic	**19.6**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-38-2	
Barium	**115**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-39-3	
Beryllium	**1.0**	mg/kg	0.59	0.29	1	11/04/13 09:24	11/05/13 10:02	7440-41-7	
Cadmium	ND	mg/kg	2.3	0.59	1	11/04/13 09:24	11/05/13 10:02	7440-43-9	
Chromium	**21.7**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-47-3	
Cobalt	**18.5**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-48-4	
Copper	**50.7**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-50-8	
Lead	**368**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7439-92-1	
Nickel	**27.6**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-02-0	
Selenium	ND	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7782-49-2	
Silver	ND	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-22-4	
Thallium	ND	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-28-0	
Vanadium	**24.2**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-62-2	
Zinc	**166**	mg/kg	2.3	1.2	1	11/04/13 09:24	11/05/13 10:02	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.69**	mg/kg	0.25	0.21	1	11/11/13 14:20	11/12/13 11:56	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	83-32-9	
Acenaphthylene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	208-96-8	
Anthracene	**2740J**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	120-12-7	
Benzo(a)anthracene	**6980**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	56-55-3	
Benzo(a)pyrene	**5860**	ug/kg	2010	1950	10	11/04/13 12:32	11/13/13 15:47	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(0-2)-110113 **Lab ID: 5089280004** Collected: 11/01/13 08:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**7390**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	205-99-2	
Benzo(g,h,i)perylene	**3170J**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	191-24-2	
Benzo(k)fluoranthene	**3310J**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	207-08-9	
Benzyl alcohol	ND	ug/kg	7800	3900	10	11/04/13 12:32	11/13/13 15:47	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7800	3900	10	11/04/13 12:32	11/13/13 15:47	59-50-7	
4-Chloroaniline	ND	ug/kg	7800	3900	10	11/04/13 12:32	11/13/13 15:47	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	91-58-7	
2-Chlorophenol	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	7005-72-3	
Chrysene	**7370**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2010	1950	10	11/04/13 12:32	11/13/13 15:47	53-70-3	
Dibenzofuran	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	120-83-2	
Diethylphthalate	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	105-67-9	
Dimethylphthalate	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	18900	9450	10	11/04/13 12:32	11/13/13 15:47	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18900	18900	10	11/04/13 12:32	11/13/13 15:47	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	117-81-7	
Fluoranthene	**17100**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	206-44-0	
Fluorene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3900	3900	10	11/04/13 12:32	11/13/13 15:47	77-47-4	
Hexachloroethane	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	67-72-1	
Indeno(1,2,3-cd)pyrene	**2930J**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	193-39-5	
Isophorone	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7800	3900	10	11/04/13 12:32	11/13/13 15:47		
Naphthalene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	91-20-3	
2-Nitroaniline	ND	ug/kg	18900	9450	10	11/04/13 12:32	11/13/13 15:47	88-74-4	
3-Nitroaniline	ND	ug/kg	18900	9450	10	11/04/13 12:32	11/13/13 15:47	99-09-2	
4-Nitroaniline	ND	ug/kg	18900	9450	10	11/04/13 12:32	11/13/13 15:47	100-01-6	
Nitrobenzene	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	98-95-3	
2-Nitrophenol	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	88-75-5	
4-Nitrophenol	ND	ug/kg	18900	9450	10	11/04/13 12:32	11/13/13 15:47	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(0-2)-110113 **Lab ID: 5089280004** Collected: 11/01/13 08:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	86-30-6	
Phenanthrene	**11900**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	85-01-8	
Phenol	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	108-95-2	1d
Pyrene	**12900**	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3900	1950	10	11/04/13 12:32	11/13/13 15:47	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	48	%.	28-101		10	11/04/13 12:32	11/13/13 15:47	4165-60-0	
2-Fluorobiphenyl (S)	46	%.	31-94		10	11/04/13 12:32	11/13/13 15:47	321-60-8	
p-Terphenyl-d14 (S)	58	%.	26-110		10	11/04/13 12:32	11/13/13 15:47	1718-51-0	
Phenol-d5 (S)	47	%.	28-101		10	11/04/13 12:32	11/13/13 15:47	4165-62-2	
2-Fluorophenol (S)	49	%.	24-104		10	11/04/13 12:32	11/13/13 15:47	367-12-4	
2,4,6-Tribromophenol (S)	50	%.	16-122		10	11/04/13 12:32	11/13/13 15:47	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.2**	%	0.10	0.10	1		11/04/13 15:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.6**	Std. Units	0.10		1		11/04/13 12:58		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(0-2)-110113D **Lab ID: 5089280005** Collected: 11/01/13 08:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**947**	mg/kg	240	60.0	10	11/04/13 12:32	11/05/13 13:24		
TPH (C10-C20)	**66.7J**	mg/kg	120	60.0	10	11/04/13 12:32	11/05/13 13:24		
TPH (C20-C34)	**880**	mg/kg	120	60.0	10	11/04/13 12:32	11/05/13 13:24		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 13:24	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/06/13 14:38	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/06/13 14:38	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/06/13 14:38	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/06/13 14:38	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/06/13 14:38	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/06/13 14:38	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1190	594	10	11/04/13 12:39	11/06/13 14:38	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		10	11/04/13 12:39	11/06/13 14:38	877-09-8	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11000**	mg/kg	50.1	25.1	1	11/04/13 09:24	11/05/13 10:04	7429-90-5	
Antimony	**1.1J**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-36-0	
Arsenic	**18.1**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-38-2	
Barium	**160**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-39-3	
Beryllium	**0.95**	mg/kg	0.50	0.25	1	11/04/13 09:24	11/05/13 10:04	7440-41-7	
Cadmium	**0.50J**	mg/kg	2.0	0.50	1	11/04/13 09:24	11/05/13 10:04	7440-43-9	
Chromium	**21.0**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-47-3	
Cobalt	**12.9**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-48-4	
Copper	**54.0**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-50-8	
Lead	**474**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7439-92-1	
Nickel	**24.6**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-02-0	
Selenium	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7782-49-2	
Silver	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-22-4	
Thallium	ND	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-28-0	
Vanadium	**23.4**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-62-2	
Zinc	**195**	mg/kg	2.0	1.0	1	11/04/13 09:24	11/05/13 10:04	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.69**	mg/kg	0.25	0.21	1	11/11/13 14:20	11/12/13 11:58	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	83-32-9	
Acenaphthylene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	208-96-8	
Anthracene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	120-12-7	
Benzo(a)anthracene	**2340J**	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	56-55-3	
Benzo(a)pyrene	**2160**	ug/kg	2020	1960	10	11/04/13 12:32	11/13/13 15:27	50-32-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(0-2)-110113D **Lab ID: 5089280005** Collected: 11/01/13 08:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**2830J**	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	207-08-9	
Benzyl alcohol	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 15:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 15:27	59-50-7	
4-Chloroaniline	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 15:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	91-58-7	
2-Chlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	7005-72-3	
Chrysene	**2350J**	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2020	1960	10	11/04/13 12:32	11/13/13 15:27	53-70-3	
Dibenzofuran	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	120-83-2	
Diethylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	105-67-9	
Dimethylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19000	9500	10	11/04/13 12:32	11/13/13 15:27	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19000	19000	10	11/04/13 12:32	11/13/13 15:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	117-81-7	
Fluoranthene	**5250**	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	206-44-0	
Fluorene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3920	3920	10	11/04/13 12:32	11/13/13 15:27	77-47-4	
Hexachloroethane	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	193-39-5	
Isophorone	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7840	3920	10	11/04/13 12:32	11/13/13 15:27		
Naphthalene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	91-20-3	
2-Nitroaniline	ND	ug/kg	19000	9500	10	11/04/13 12:32	11/13/13 15:27	88-74-4	
3-Nitroaniline	ND	ug/kg	19000	9500	10	11/04/13 12:32	11/13/13 15:27	99-09-2	
4-Nitroaniline	ND	ug/kg	19000	9500	10	11/04/13 12:32	11/13/13 15:27	100-01-6	
Nitrobenzene	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	98-95-3	
2-Nitrophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	88-75-5	
4-Nitrophenol	ND	ug/kg	19000	9500	10	11/04/13 12:32	11/13/13 15:27	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(0-2)-110113D **Lab ID: 5089280005** Collected: 11/01/13 08:35 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	86-30-6	
Phenanthrene	**4600**	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	85-01-8	
Phenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	108-95-2	1d
Pyrene	**4050**	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3920	1960	10	11/04/13 12:32	11/13/13 15:27	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	62	%.	28-101		10	11/04/13 12:32	11/13/13 15:27	4165-60-0	
2-Fluorobiphenyl (S)	62	%.	31-94		10	11/04/13 12:32	11/13/13 15:27	321-60-8	
p-Terphenyl-d14 (S)	73	%.	26-110		10	11/04/13 12:32	11/13/13 15:27	1718-51-0	
Phenol-d5 (S)	64	%.	28-101		10	11/04/13 12:32	11/13/13 15:27	4165-62-2	
2-Fluorophenol (S)	63	%.	24-104		10	11/04/13 12:32	11/13/13 15:27	367-12-4	
2,4,6-Tribromophenol (S)	68	%.	16-122		10	11/04/13 12:32	11/13/13 15:27	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.6**	%	0.10	0.10	1		11/04/13 15:01		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(2-4)-110113 **Lab ID: 5089280006** Collected: 11/01/13 08:40 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**1120**	mg/kg	218	54.4	10	11/04/13 12:32	11/05/13 13:31		
TPH (C10-C20)	ND	mg/kg	109	54.4	10	11/04/13 12:32	11/05/13 13:31		
TPH (C20-C34)	**1070**	mg/kg	109	54.4	10	11/04/13 12:32	11/05/13 13:31		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 13:31	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	2160	1080	20	11/04/13 12:39	11/06/13 14:44	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	2160	1080	20	11/04/13 12:39	11/06/13 14:44	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	2160	1080	20	11/04/13 12:39	11/06/13 14:44	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	2160	1080	20	11/04/13 12:39	11/06/13 14:44	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	2160	1080	20	11/04/13 12:39	11/06/13 14:44	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	2160	1080	20	11/04/13 12:39	11/06/13 14:44	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	2160	1080	20	11/04/13 12:39	11/06/13 14:44	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	0	%.	30-106		20	11/04/13 12:39	11/06/13 14:44	877-09-8	S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**7760**	mg/kg	47.2	23.6	1	11/04/13 09:24	11/05/13 10:07	7429-90-5	
Antimony	**2.0**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-36-0	
Arsenic	**9.8**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-38-2	
Barium	**123**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-39-3	
Beryllium	**0.65**	mg/kg	0.47	0.24	1	11/04/13 09:24	11/05/13 10:07	7440-41-7	
Cadmium	**4.7**	mg/kg	1.9	0.47	1	11/04/13 09:24	11/05/13 10:07	7440-43-9	
Chromium	**33.5**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-47-3	
Cobalt	**3.5**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-48-4	
Copper	**106**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-50-8	
Lead	**453**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7439-92-1	
Nickel	**45.9**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-02-0	
Selenium	ND	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7782-49-2	
Silver	**1.1J**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-22-4	
Thallium	**1.2J**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-28-0	
Vanadium	**13.1**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-62-2	
Zinc	**749**	mg/kg	1.9	0.94	1	11/04/13 09:24	11/05/13 10:07	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	0.19	1	11/11/13 14:20	11/12/13 12:00	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	83-32-9	
Acenaphthylene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	208-96-8	
Anthracene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1840	1790	10	11/04/13 12:32	11/13/13 14:26	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(2-4)-110113 **Lab ID: 5089280006** Collected: 11/01/13 08:40 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	207-08-9	
Benzyl alcohol	ND	ug/kg	7160	3580	10	11/04/13 12:32	11/13/13 14:26	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7160	3580	10	11/04/13 12:32	11/13/13 14:26	59-50-7	
4-Chloroaniline	ND	ug/kg	7160	3580	10	11/04/13 12:32	11/13/13 14:26	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	91-58-7	
2-Chlorophenol	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	7005-72-3	
Chrysene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1840	1790	10	11/04/13 12:32	11/13/13 14:26	53-70-3	
Dibenzofuran	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	120-83-2	
Diethylphthalate	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	105-67-9	
Dimethylphthalate	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	17400	8680	10	11/04/13 12:32	11/13/13 14:26	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	17400	17400	10	11/04/13 12:32	11/13/13 14:26	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	117-84-0	
bis(2-Ethylhexyl)phthalate	**4030**	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	117-81-7	
Fluoranthene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	206-44-0	
Fluorene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3580	3580	10	11/04/13 12:32	11/13/13 14:26	77-47-4	
Hexachloroethane	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	193-39-5	
Isophorone	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7160	3580	10	11/04/13 12:32	11/13/13 14:26		
Naphthalene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	91-20-3	
2-Nitroaniline	ND	ug/kg	17400	8680	10	11/04/13 12:32	11/13/13 14:26	88-74-4	
3-Nitroaniline	ND	ug/kg	17400	8680	10	11/04/13 12:32	11/13/13 14:26	99-09-2	
4-Nitroaniline	ND	ug/kg	17400	8680	10	11/04/13 12:32	11/13/13 14:26	100-01-6	
Nitrobenzene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	98-95-3	
2-Nitrophenol	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	88-75-5	
4-Nitrophenol	ND	ug/kg	17400	8680	10	11/04/13 12:32	11/13/13 14:26	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(2-4)-110113 **Lab ID: 5089280006** Collected: 11/01/13 08:40 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	86-30-6	
Phenanthrene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	85-01-8	
Phenol	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	108-95-2	1d
Pyrene	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3580	1790	10	11/04/13 12:32	11/13/13 14:26	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	70	%.	28-101		10	11/04/13 12:32	11/13/13 14:26	4165-60-0	
2-Fluorobiphenyl (S)	74	%.	31-94		10	11/04/13 12:32	11/13/13 14:26	321-60-8	
p-Terphenyl-d14 (S)	87	%.	26-110		10	11/04/13 12:32	11/13/13 14:26	1718-51-0	
Phenol-d5 (S)	64	%.	28-101		10	11/04/13 12:32	11/13/13 14:26	4165-62-2	
2-Fluorophenol (S)	26	%.	24-104		10	11/04/13 12:32	11/13/13 14:26	367-12-4	
2,4,6-Tribromophenol (S)	0	%.	16-122		10	11/04/13 12:32	11/13/13 14:26	118-79-6	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.2**	%	0.10	0.10	1		11/04/13 15:01		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(8-10)-110113 **Lab ID: 5089280007** Collected: 11/01/13 08:50 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	ND	mg/kg	21.8	5.4	1	11/04/13 12:32	11/05/13 13:51		
TPH (C10-C20)	ND	mg/kg	10.9	5.4	1	11/04/13 12:32	11/05/13 13:51		
TPH (C20-C34)	ND	mg/kg	10.9	5.4	1	11/04/13 12:32	11/05/13 13:51		
Surrogates									
n-Pentacosane (S)	87	%.	30-153		1	11/04/13 12:32	11/05/13 13:51	629-99-2	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	109	54.6	1	11/04/13 12:39	11/05/13 16:54	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	109	54.6	1	11/04/13 12:39	11/05/13 16:54	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	109	54.6	1	11/04/13 12:39	11/05/13 16:54	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	109	54.6	1	11/04/13 12:39	11/05/13 16:54	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	109	54.6	1	11/04/13 12:39	11/05/13 16:54	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	109	54.6	1	11/04/13 12:39	11/05/13 16:54	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	109	54.6	1	11/04/13 12:39	11/05/13 16:54	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	62	%.	30-106		1	11/04/13 12:39	11/05/13 16:54	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**6050**	mg/kg	48.0	24.0	1	11/04/13 09:24	11/05/13 10:09	7429-90-5	
Antimony	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-36-0	
Arsenic	**11.4**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-38-2	
Barium	**26.3**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-39-3	
Beryllium	**0.39J**	mg/kg	0.48	0.24	1	11/04/13 09:24	11/05/13 10:09	7440-41-7	
Cadmium	ND	mg/kg	1.9	0.48	1	11/04/13 09:24	11/05/13 10:09	7440-43-9	
Chromium	**10.8**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-47-3	
Cobalt	**6.4**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-48-4	
Copper	**19.1**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-50-8	
Lead	**7.2**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7439-92-1	
Nickel	**21.4**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-02-0	
Selenium	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7782-49-2	
Silver	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-22-4	
Thallium	ND	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-28-0	
Vanadium	**17.4**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-62-2	
Zinc	**72.3**	mg/kg	1.9	0.96	1	11/04/13 09:24	11/05/13 10:09	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	0.20	1	11/11/13 14:20	11/12/13 12:02	7439-97-6	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	83-32-9	
Acenaphthylene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	208-96-8	
Anthracene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	120-12-7	
Benzo(a)anthracene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	56-55-3	
Benzo(a)pyrene	ND	ug/kg	185	180	1	11/04/13 12:32	11/13/13 02:19	50-32-8	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(8-10)-110113 **Lab ID: 5089280007** Collected: 11/01/13 08:50 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(b)fluoranthene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	207-08-9	
Benzyl alcohol	ND	ug/kg	719	359	1	11/04/13 12:32	11/13/13 02:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	101-55-3	
Butylbenzylphthalate	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	719	359	1	11/04/13 12:32	11/13/13 02:19	59-50-7	
4-Chloroaniline	ND	ug/kg	719	359	1	11/04/13 12:32	11/13/13 02:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	108-60-1	
2-Chloronaphthalene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	91-58-7	
2-Chlorophenol	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	7005-72-3	
Chrysene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	185	180	1	11/04/13 12:32	11/13/13 02:19	53-70-3	
Dibenzofuran	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	120-83-2	
Diethylphthalate	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	105-67-9	
Dimethylphthalate	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	131-11-3	
Di-n-butylphthalate	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1740	871	1	11/04/13 12:32	11/13/13 02:19	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1740	1740	1	11/04/13 12:32	11/13/13 02:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	606-20-2	
Di-n-octylphthalate	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	117-81-7	
Fluoranthene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	206-44-0	
Fluorene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	359	359	1	11/04/13 12:32	11/13/13 02:19	77-47-4	
Hexachloroethane	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	193-39-5	
Isophorone	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	78-59-1	
2-Methylnaphthalene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	719	359	1	11/04/13 12:32	11/13/13 02:19		
Naphthalene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	91-20-3	
2-Nitroaniline	ND	ug/kg	1740	871	1	11/04/13 12:32	11/13/13 02:19	88-74-4	
3-Nitroaniline	ND	ug/kg	1740	871	1	11/04/13 12:32	11/13/13 02:19	99-09-2	
4-Nitroaniline	ND	ug/kg	1740	871	1	11/04/13 12:32	11/13/13 02:19	100-01-6	
Nitrobenzene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	98-95-3	
2-Nitrophenol	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	88-75-5	
4-Nitrophenol	ND	ug/kg	1740	871	1	11/04/13 12:32	11/13/13 02:19	100-02-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-SB09(8-10)-110113 **Lab ID: 5089280007** Collected: 11/01/13 08:50 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitroso-di-n-propylamine	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	86-30-6	
Phenanthrene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	85-01-8	
Phenol	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	108-95-2	
Pyrene	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	359	180	1	11/04/13 12:32	11/13/13 02:19	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	81	%.	28-101		1	11/04/13 12:32	11/13/13 02:19	4165-60-0	
2-Fluorobiphenyl (S)	76	%.	31-94		1	11/04/13 12:32	11/13/13 02:19	321-60-8	
p-Terphenyl-d14 (S)	91	%.	26-110		1	11/04/13 12:32	11/13/13 02:19	1718-51-0	
Phenol-d5 (S)	84	%.	28-101		1	11/04/13 12:32	11/13/13 02:19	4165-62-2	
2-Fluorophenol (S)	89	%.	24-104		1	11/04/13 12:32	11/13/13 02:19	367-12-4	
2,4,6-Tribromophenol (S)	86	%.	16-122		1	11/04/13 12:32	11/13/13 02:19	118-79-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.4**	%	0.10	0.10	1		11/04/13 15:01		

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-MW02b(2-4)-110113 **Lab ID: 5089280008** Collected: 11/01/13 10:55 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 TPH Ohio Microwave	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 3546								
Total Petroleum Hydrocarbons	**973**	mg/kg	242	60.4	10	11/04/13 12:32	11/05/13 13:38		
TPH (C10-C20)	**176**	mg/kg	121	60.4	10	11/04/13 12:32	11/05/13 13:38		
TPH (C20-C34)	**798**	mg/kg	121	60.4	10	11/04/13 12:32	11/05/13 13:38		
Surrogates									
n-Pentacosane (S)	0	%.	30-153		10	11/04/13 12:32	11/05/13 13:38	629-99-2	S4
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	121	60.4	1	11/04/13 12:39	11/05/13 17:00	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	121	60.4	1	11/04/13 12:39	11/05/13 17:00	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	121	60.4	1	11/04/13 12:39	11/05/13 17:00	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	121	60.4	1	11/04/13 12:39	11/05/13 17:00	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	121	60.4	1	11/04/13 12:39	11/05/13 17:00	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	121	60.4	1	11/04/13 12:39	11/05/13 17:00	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	121	60.4	1	11/04/13 12:39	11/05/13 17:00	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	44	%.	30-106		1	11/04/13 12:39	11/05/13 17:00	877-09-8	
8015 GRO 5035	Analytical Method: EPA 8015 Mod Pur								
TPH (C06-C12)	ND	mg/kg	0.95	0.47	1		11/08/13 00:48		
Surrogates									
4-Bromofluorobenzene (S)	71	%.	38-163		1		11/08/13 00:48	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	**11600**	mg/kg	56.0	28.0	1	11/04/13 09:24	11/05/13 10:11	7429-90-5	
Antimony	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-36-0	
Arsenic	**21.7**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-38-2	
Barium	**490**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-39-3	
Beryllium	**0.85**	mg/kg	0.56	0.28	1	11/04/13 09:24	11/05/13 10:11	7440-41-7	
Cadmium	**0.95J**	mg/kg	2.2	0.56	1	11/04/13 09:24	11/05/13 10:11	7440-43-9	
Chromium	**31.6**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-47-3	
Cobalt	**11.3**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-48-4	
Copper	**51.3**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-50-8	
Lead	**111**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7439-92-1	
Nickel	**27.9**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-02-0	
Selenium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7782-49-2	
Silver	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-22-4	
Thallium	ND	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-28-0	
Vanadium	**22.4**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-62-2	
Zinc	**421**	mg/kg	2.2	1.1	1	11/04/13 09:24	11/05/13 10:11	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**1.9**	mg/kg	0.25	0.21	1	11/11/13 14:20	11/12/13 12:05	7439-97-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-MW02b(2-4)-110113 **Lab ID: 5089280008** Collected: 11/01/13 10:55 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	83-32-9	
Acenaphthylene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	208-96-8	
Anthracene	**2660J**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	120-12-7	
Benzo(a)anthracene	**7100**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	56-55-3	
Benzo(a)pyrene	**7070**	ug/kg	2050	1990	10	11/04/13 12:32	11/13/13 14:06	50-32-8	
Benzo(b)fluoranthene	**9930**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	205-99-2	
Benzo(g,h,i)perylene	**4550**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	191-24-2	
Benzo(k)fluoranthene	**2880J**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	207-08-9	
Benzyl alcohol	ND	ug/kg	7970	3990	10	11/04/13 12:32	11/13/13 14:06	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	7970	3990	10	11/04/13 12:32	11/13/13 14:06	59-50-7	
4-Chloroaniline	ND	ug/kg	7970	3990	10	11/04/13 12:32	11/13/13 14:06	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	91-58-7	
2-Chlorophenol	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	7005-72-3	
Chrysene	**6970**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2050	1990	10	11/04/13 12:32	11/13/13 14:06	53-70-3	
Dibenzofuran	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	132-64-9	
2,4-Dichlorophenol	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	120-83-2	
Diethylphthalate	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	105-67-9	
Dimethylphthalate	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	19300	9660	10	11/04/13 12:32	11/13/13 14:06	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	19300	19300	10	11/04/13 12:32	11/13/13 14:06	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	117-81-7	
Fluoranthene	**17600**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	206-44-0	
Fluorene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	86-73-7	
Hexachlorocyclopentadiene	ND	ug/kg	3990	3990	10	11/04/13 12:32	11/13/13 14:06	77-47-4	
Hexachloroethane	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	67-72-1	
Indeno(1,2,3-cd)pyrene	**3940J**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	193-39-5	
Isophorone	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	78-59-1	
2-Methylnaphthalene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	7970	3990	10	11/04/13 12:32	11/13/13 14:06		
Naphthalene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	91-20-3	
2-Nitroaniline	ND	ug/kg	19300	9660	10	11/04/13 12:32	11/13/13 14:06	88-74-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-MW02b(2-4)-110113 **Lab ID: 5089280008** Collected: 11/01/13 10:55 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3-Nitroaniline	ND	ug/kg	19300	9660	10	11/04/13 12:32	11/13/13 14:06	99-09-2	
4-Nitroaniline	ND	ug/kg	19300	9660	10	11/04/13 12:32	11/13/13 14:06	100-01-6	
Nitrobenzene	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	98-95-3	
2-Nitrophenol	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	88-75-5	
4-Nitrophenol	ND	ug/kg	19300	9660	10	11/04/13 12:32	11/13/13 14:06	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	86-30-6	
Phenanthrene	**11500**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	85-01-8	
Phenol	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	108-95-2	1d
Pyrene	**14100**	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3990	1990	10	11/04/13 12:32	11/13/13 14:06	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	73	%.	28-101		10	11/04/13 12:32	11/13/13 14:06	4165-60-0	
2-Fluorobiphenyl (S)	72	%.	31-94		10	11/04/13 12:32	11/13/13 14:06	321-60-8	
p-Terphenyl-d14 (S)	94	%.	26-110		10	11/04/13 12:32	11/13/13 14:06	1718-51-0	
Phenol-d5 (S)	76	%.	28-101		10	11/04/13 12:32	11/13/13 14:06	4165-62-2	
2-Fluorophenol (S)	79	%.	24-104		10	11/04/13 12:32	11/13/13 14:06	367-12-4	
2,4,6-Tribromophenol (S)	79	%.	16-122		10	11/04/13 12:32	11/13/13 14:06	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.11	0.054	1		11/12/13 19:31	67-64-1	
Acrolein	ND	mg/kg	0.11	0.054	1		11/12/13 19:31	107-02-8	
Benzene	ND	mg/kg	0.0054	0.0011	1		11/12/13 19:31	71-43-2	
Bromobenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	108-86-1	
Bromochloromethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-27-4	
Bromoform	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-25-2	
Bromomethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.027	0.013	1		11/12/13 19:31	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	0.0027	1		11/12/13 19:31	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	56-23-5	
Chlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	108-90-7	
Chloroethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-00-3	
Chloroform	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	67-66-3	
Chloromethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	124-48-1	
Dibromomethane	ND	mg/kg	0.0054	0.0035	1		11/12/13 19:31	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	95-50-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-MW02b(2-4)-110113 **Lab ID: 5089280008** Collected: 11/01/13 10:55 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	0.054	1		11/12/13 19:31	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	0.054	1		11/12/13 19:31	97-63-2	
n-Hexane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	110-54-3	N2
2-Hexanone	ND	mg/kg	0.11	0.054	1		11/12/13 19:31	591-78-6	
Iodomethane	ND	mg/kg	0.11	0.054	1		11/12/13 19:31	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	99-87-6	
Methylene Chloride	ND	mg/kg	0.022	0.011	1		11/12/13 19:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.027	0.013	1		11/12/13 19:31	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0054	0.0015	1		11/12/13 19:31	1634-04-4	
n-Propylbenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	103-65-1	
Styrene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0054	0.0021	1		11/12/13 19:31	127-18-4	
Toluene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	79-00-5	
Trichloroethene	ND	mg/kg	0.0054	0.0018	1		11/12/13 19:31	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-69-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	0.054	1		11/12/13 19:31	108-05-4	
Vinyl chloride	ND	mg/kg	0.0054	0.0027	1		11/12/13 19:31	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	0.0054	1		11/12/13 19:31	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	90	%.	85-118		1		11/12/13 19:31	1868-53-7	
Toluene-d8 (S)	105	%.	71-128		1		11/12/13 19:31	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-MW02b(2-4)-110113 **Lab ID: 5089280008** Collected: 11/01/13 10:55 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	91	%.	56-144		1		11/12/13 19:31	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.8**	%	0.10	0.10	1		11/04/13 15:01		

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Indianapolis, IN 46268
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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-TB12-110113 **Lab ID: 5089280009** Collected: 11/01/13 08:00 Received: 11/02/13 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/13/13 02:28	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/13/13 02:28	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/13/13 02:28	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/13/13 02:28	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/13/13 02:28	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/13/13 02:28	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/13/13 02:28	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/13/13 02:28	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/13/13 02:28	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/13/13 02:28	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/13/13 02:28	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/13/13 02:28	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/13/13 02:28	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	1.0	1		11/13/13 02:28	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-TB12-110113 **Lab ID: 5089280009** Collected: 11/01/13 08:00 Received: 11/02/13 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/13/13 02:28	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.0	1		11/13/13 02:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/13/13 02:28	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/13/13 02:28	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/13/13 02:28	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/13/13 02:28	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 02:28	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	50.0	1		11/13/13 02:28	110-57-6	
Surrogates									
Dibromofluoromethane (S)	98	%.	79-116		1		11/13/13 02:28	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	80-114		1		11/13/13 02:28	460-00-4	
Toluene-d8 (S)	98	%.	81-110		1		11/13/13 02:28	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-IDW03-110113 **Lab ID: 5089280010** Collected: 11/01/13 13:20 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 11/05/13 12:00								
Arsenic	ND	mg/L	0.10	0.050	1	11/12/13 14:53	11/13/13 13:25	7440-38-2	
Barium	**0.43J**	mg/L	5.0	0.10	1	11/12/13 14:53	11/13/13 13:25	7440-39-3	
Cadmium	**0.054**	mg/L	0.050	0.025	1	11/12/13 14:53	11/13/13 13:25	7440-43-9	
Chromium	ND	mg/L	0.10	0.050	1	11/12/13 14:53	11/13/13 13:25	7440-47-3	
Lead	**0.20**	mg/L	0.10	0.040	1	11/12/13 14:53	11/13/13 13:25	7439-92-1	
Selenium	ND	mg/L	0.10	0.050	1	11/12/13 14:53	11/13/13 13:25	7782-49-2	
Silver	ND	mg/L	0.50	0.25	1	11/12/13 14:53	11/13/13 13:25	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Leachate Method/Date: EPA 1311; 11/05/13 12:00								
Mercury	ND	mg/L	0.0020	0.0010	1	11/14/13 09:46	11/15/13 12:03	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 11/05/13 12:00								
1,4-Dichlorobenzene	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	87-68-3	
Hexachlorobenzene	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	118-74-1	
Hexachloroethane	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	200	100	1	11/06/13 11:40	11/07/13 12:50		
Nitrobenzene	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	98-95-3	
Pentachlorophenol	ND	ug/L	500	250	1	11/06/13 11:40	11/07/13 12:50	87-86-5	
Pyridine	ND	ug/L	100	100	1	11/06/13 11:40	11/07/13 12:50	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	500	50.0	1	11/06/13 11:40	11/07/13 12:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	50.0	1	11/06/13 11:40	11/07/13 12:50	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	69	%.	29-126		1	11/06/13 11:40	11/07/13 12:50	4165-60-0	
2-Fluorobiphenyl (S)	62	%.	31-118		1	11/06/13 11:40	11/07/13 12:50	321-60-8	
p-Terphenyl-d14 (S)	68	%.	28-129		1	11/06/13 11:40	11/07/13 12:50	1718-51-0	
Phenol-d5 (S)	17	%.	10-47		1	11/06/13 11:40	11/07/13 12:50	4165-62-2	
2-Fluorophenol (S)	31	%.	10-67		1	11/06/13 11:40	11/07/13 12:50	367-12-4	
2,4,6-Tribromophenol (S)	80	%.	31-161		1	11/06/13 11:40	11/07/13 12:50	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 11/05/13 12:00								
Benzene	ND	ug/L	50.0	10.0	1		11/13/13 07:10	71-43-2	
2-Butanone (MEK)	ND	ug/L	1000	500	1		11/13/13 07:10	78-93-3	
Carbon tetrachloride	ND	ug/L	50.0	25.0	1		11/13/13 07:10	56-23-5	
Chlorobenzene	ND	ug/L	50.0	25.0	1		11/13/13 07:10	108-90-7	
Chloroform	ND	ug/L	50.0	25.0	1		11/13/13 07:10	67-66-3	
1,2-Dichloroethane	ND	ug/L	50.0	25.0	1		11/13/13 07:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	25.0	1		11/13/13 07:10	75-35-4	
Tetrachloroethene	ND	ug/L	50.0	25.0	1		11/13/13 07:10	127-18-4	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Sample: FAW-IDW03-110113 **Lab ID: 5089280010** Collected: 11/01/13 13:20 Received: 11/02/13 11:10 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 11/05/13 12:00								
Trichloroethene	ND	ug/L	50.0	25.0	1		11/13/13 07:10	79-01-6	
Vinyl chloride	ND	ug/L	20.0	10.0	1		11/13/13 07:10	75-01-4	
Surrogates									
Toluene-d8 (S)	99	%.	81-110		1		11/13/13 07:10	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	80-114		1		11/13/13 07:10	460-00-4	
Dibromofluoromethane (S)	91	%.	79-116		1		11/13/13 07:10	1868-53-7	
1010 Flashpoint,Closed Cup	Analytical Method: EPA 1010								
Flashpoint	**>180**	deg F		78.0	1		11/07/13 13:49		

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

QC Batch: GCV/17349 Analysis Method: EPA 8015 Mod Pur
QC Batch Method: EPA 8015 Mod Pur Analysis Description: 8015 GRO 5035
Associated Lab Samples: 5089280003

METHOD BLANK: 1008840 Matrix: Solid
Associated Lab Samples: 5089280003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C12)	mg/kg	ND	1.0	11/07/13 11:55	
4-Bromofluorobenzene (S)	%.	99	38-163	11/07/13 11:55	

LABORATORY CONTROL SAMPLE: 1008841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C12)	mg/kg	10	10.0	100	75-139	
4-Bromofluorobenzene (S)	%.			101	38-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1008842 1008843

Parameter	Units	5089109001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C06-C12)	mg/kg	ND	8.5	8.8	7.5	7.9	88	89	10-151	5	20	
4-Bromofluorobenzene (S)	%.						118	124	38-163		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

QC Batch: GCV/17351 Analysis Method: EPA 8015 Mod Pur
QC Batch Method: EPA 8015 Mod Pur Analysis Description: 8015 GRO 5035
Associated Lab Samples: 5089280008

METHOD BLANK: 1009134 Matrix: Solid
Associated Lab Samples: 5089280008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C12)	mg/kg	ND	1.0	11/07/13 23:35	
4-Bromofluorobenzene (S)	%.	122	38-163	11/07/13 23:35	

LABORATORY CONTROL SAMPLE: 1009135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C12)	mg/kg	10	10	100	75-139	
4-Bromofluorobenzene (S)	%.			105	38-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1009136 1009137

Parameter	Units	5089181003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C06-C12)	mg/kg	ND	8.5	9.5	4.7	6.4	55	68	10-151	30	20	R1
4-Bromofluorobenzene (S)	%.						108	118	38-163		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

QC Batch: MERP/5034
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 5089280010

METHOD BLANK: 1012189 Matrix: Water
Associated Lab Samples: 5089280010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	ND	0.0020	11/15/13 11:42	

LABORATORY CONTROL SAMPLE: 1012190

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.015	0.015	99	80-120	

MATRIX SPIKE SAMPLE: 1012191

Parameter	Units	5089686002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	ND	.015	0.014	94	75-125	

MATRIX SPIKE SAMPLE: 1012192

Parameter	Units	5089673003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	4.1 ug/L	.015	0.017	84	75-125	

MATRIX SPIKE SAMPLE: 1012193

Parameter	Units	5089280010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	ND	.015	0.015	96	75-125	

MATRIX SPIKE SAMPLE: 1012194

Parameter	Units	5089620001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	ND	.015	0.020	130	75-125	M0

MATRIX SPIKE SAMPLE: 1012195

Parameter	Units	5089578001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	ND	.015	0.015	96	75-125	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

QC Batch: MERP/5019 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 5089280001, 5089280002, 5089280003, 5089280004, 5089280005, 5089280006, 5089280007, 5089280008

METHOD BLANK: 1009599 Matrix: Solid
Associated Lab Samples: 5089280001, 5089280002, 5089280003, 5089280004, 5089280005, 5089280006, 5089280007, 5089280008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.20	11/12/13 11:38	

LABORATORY CONTROL SAMPLE: 1009600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.46	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1009601 1009602

Parameter	Units	5089280002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.24	.59	.59	0.76	0.74	87	84	75-125	3	20	

REPORT OF LABORATORY ANALYSIS

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1233 Dublin Road
Columbus, OH 43215
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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

QC Batch: MPRP/12371 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5089280001, 5089280002, 5089280003, 5089280004, 5089280005, 5089280006, 5089280007, 5089280008

METHOD BLANK: 1006885 Matrix: Solid
Associated Lab Samples: 5089280001, 5089280002, 5089280003, 5089280004, 5089280005, 5089280006, 5089280007, 5089280008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	50.0	11/05/13 08:18	
Antimony	mg/kg	ND	2.0	11/05/13 08:18	
Arsenic	mg/kg	ND	2.0	11/05/13 08:18	
Barium	mg/kg	ND	2.0	11/05/13 08:18	
Beryllium	mg/kg	ND	0.50	11/05/13 08:18	
Cadmium	mg/kg	ND	2.0	11/05/13 08:18	
Chromium	mg/kg	ND	2.0	11/05/13 08:18	
Cobalt	mg/kg	ND	2.0	11/05/13 08:18	
Copper	mg/kg	ND	2.0	11/05/13 08:18	
Lead	mg/kg	ND	2.0	11/05/13 08:18	
Nickel	mg/kg	ND	2.0	11/05/13 08:18	
Selenium	mg/kg	ND	2.0	11/05/13 08:18	
Silver	mg/kg	ND	2.0	11/05/13 08:18	
Thallium	mg/kg	ND	2.0	11/05/13 08:18	
Vanadium	mg/kg	ND	2.0	11/05/13 08:18	
Zinc	mg/kg	ND	2.0	11/05/13 08:18	

LABORATORY CONTROL SAMPLE: 1006886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	512	102	80-120	
Antimony	mg/kg	50	51.6	103	80-120	
Arsenic	mg/kg	50	51.6	103	80-120	
Barium	mg/kg	50	52.0	104	80-120	
Beryllium	mg/kg	50	50.4	101	80-120	
Cadmium	mg/kg	50	50.2	100	80-120	
Chromium	mg/kg	50	51.2	102	80-120	
Cobalt	mg/kg	50	50.7	101	80-120	
Copper	mg/kg	50	50.4	101	80-120	
Lead	mg/kg	50	50.1	100	80-120	
Nickel	mg/kg	50	51.5	103	80-120	
Selenium	mg/kg	50	49.9	100	80-120	
Silver	mg/kg	25	25.5	102	80-120	
Thallium	mg/kg	50	49.7	99	80-120	
Vanadium	mg/kg	50	52.2	104	80-120	
Zinc	mg/kg	50	49.9	100	80-120	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006887 1006888

Parameter	Units	5089280002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	mg/kg	10300	549	539	14000	10400	673	7	75-125	30	20	2d,P6
Antimony	mg/kg	ND	54.9	53.9	17.3	18.7	31	35	75-125	8	20	M3
Arsenic	mg/kg	12.6	54.9	53.9	65.4	63.0	96	93	75-125	4	20	
Barium	mg/kg	68.5	54.9	53.9	137	109	125	76	75-125	23	20	2d
Beryllium	mg/kg	0.67	54.9	53.9	50.1	54.6	90	100	75-125	9	20	
Cadmium	mg/kg	ND	54.9	53.9	51.5	51.9	93	96	75-125	1	20	
Chromium	mg/kg	28.2	54.9	53.9	88.3	86.5	109	108	75-125	2	20	
Cobalt	mg/kg	10.8	54.9	53.9	62.3	56.2	94	84	75-125	10	20	
Copper	mg/kg	41.3	54.9	53.9	90.0	83.3	89	78	75-125	8	20	
Lead	mg/kg	117	54.9	53.9	163	144	84	49	75-125	13	20	M0
Nickel	mg/kg	26.3	54.9	53.9	75.2	67.4	89	76	75-125	11	20	
Selenium	mg/kg	ND	54.9	53.9	48.4	50.5	88	94	75-125	4	20	
Silver	mg/kg	ND	27.4	27	25.4	27.3	93	101	75-125	7	20	
Thallium	mg/kg	ND	54.9	53.9	43.4	46.4	79	86	75-125	7	20	
Vanadium	mg/kg	18.1	54.9	53.9	76.6	70.4	106	97	75-125	8	20	
Zinc	mg/kg	117	54.9	53.9	184	137	122	39	75-125	29	20	2d,M0

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

QC Batch: MPRP/12431
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 5089280010

METHOD BLANK: 1011300 Matrix: Water
Associated Lab Samples: 5089280010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.10	11/13/13 13:21	
Barium	mg/L	ND	5.0	11/13/13 13:21	
Cadmium	mg/L	ND	0.050	11/13/13 13:21	
Chromium	mg/L	ND	0.10	11/13/13 13:21	
Lead	mg/L	ND	0.10	11/13/13 13:21	
Selenium	mg/L	ND	0.10	11/13/13 13:21	
Silver	mg/L	ND	0.50	11/13/13 13:21	

LABORATORY CONTROL SAMPLE: 1011301

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	10	9.4	94	80-120	
Barium	mg/L	10	9.8	98	80-120	
Cadmium	mg/L	10	9.1	91	80-120	
Chromium	mg/L	10	10.2	102	80-120	
Lead	mg/L	10	9.3	93	80-120	
Selenium	mg/L	10	9.5	95	80-120	
Silver	mg/L	5	5.1	102	80-120	

MATRIX SPIKE SAMPLE: 1011284

Parameter	Units	5089280010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	ND	10	9.8	98	50-150	
Barium	mg/L	0.43J	10	10.6	101	50-150	
Cadmium	mg/L	0.054	10	9.5	95	50-150	
Chromium	mg/L	ND	10	10.5	105	50-150	
Lead	mg/L	0.20	10	9.7	95	50-150	
Selenium	mg/L	ND	10	9.9	99	50-150	
Silver	mg/L	ND	5	5.3	105	50-150	

MATRIX SPIKE SAMPLE: 1011285

Parameter	Units	5089620001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	ND	10	9.7	97	50-150	
Barium	mg/L	ND	10	10.5	100	50-150	
Cadmium	mg/L	ND	10	9.4	94	50-150	
Chromium	mg/L	ND	10	10.3	103	50-150	
Lead	mg/L	ND	10	9.5	95	50-150	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

MATRIX SPIKE SAMPLE: 1011285

Parameter	Units	5089620001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	ND	10	9.8	98	50-150	
Silver	mg/L	ND	5	5.2	104	50-150	

MATRIX SPIKE SAMPLE: 1011286

Parameter	Units	5089578001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	ND	10	9.8	97	50-150	
Barium	mg/L	ND	10	10.4	100	50-150	
Cadmium	mg/L	ND	10	9.4	94	50-150	
Chromium	mg/L	ND	10	10.3	103	50-150	
Lead	mg/L	ND	10	9.5	95	50-150	
Selenium	mg/L	ND	10	9.8	98	50-150	
Silver	mg/L	ND	5	5.1	101	50-150	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

QC Batch: MSV/59278
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 5089280010

METHOD BLANK: 1011586 Matrix: Water
Associated Lab Samples: 5089280010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	50.0	11/13/13 02:06	
1,2-Dichloroethane	ug/L	ND	50.0	11/13/13 02:06	
2-Butanone (MEK)	ug/L	ND	1000	11/13/13 02:06	
Benzene	ug/L	ND	50.0	11/13/13 02:06	
Carbon tetrachloride	ug/L	ND	50.0	11/13/13 02:06	
Chlorobenzene	ug/L	ND	50.0	11/13/13 02:06	
Chloroform	ug/L	ND	50.0	11/13/13 02:06	
Tetrachloroethene	ug/L	ND	50.0	11/13/13 02:06	
Trichloroethene	ug/L	ND	50.0	11/13/13 02:06	
Vinyl chloride	ug/L	ND	20.0	11/13/13 02:06	
4-Bromofluorobenzene (S)	%.	105	80-114	11/13/13 02:06	
Dibromofluoromethane (S)	%.	103	79-116	11/13/13 02:06	
Toluene-d8 (S)	%.	97	81-110	11/13/13 02:06	

LABORATORY CONTROL SAMPLE: 1011587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	500	493	99	68-127	
1,2-Dichloroethane	ug/L	500	530	106	75-128	
2-Butanone (MEK)	ug/L	2500	2690	107	58-139	
Benzene	ug/L	500	473	95	74-122	
Carbon tetrachloride	ug/L	500	474	95	56-137	
Chlorobenzene	ug/L	500	470	94	78-123	
Chloroform	ug/L	500	483	97	78-126	
Tetrachloroethene	ug/L	500	503	101	69-130	
Trichloroethene	ug/L	500	499	100	76-126	
Vinyl chloride	ug/L	500	564	113	59-126	
4-Bromofluorobenzene (S)	%.			101	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			103	81-110	

MATRIX SPIKE SAMPLE: 1011588

Parameter	Units	5089378001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	500	489	98	55-145	
1,2-Dichloroethane	ug/L	ND	500	512	102	62-138	
2-Butanone (MEK)	ug/L	ND	2500	2660	106	37-156	
Benzene	ug/L	ND	500	473	95	62-129	
Carbon tetrachloride	ug/L	ND	500	438	88	46-142	
Chlorobenzene	ug/L	ND	500	480	96	49-136	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

MATRIX SPIKE SAMPLE: 1011588

Parameter	Units	5089378001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	ND	500	473	95	54-150	
Tetrachloroethene	ug/L	193	500	684	98	33-151	
Trichloroethene	ug/L	ND	500	493	97	50-143	
Vinyl chloride	ug/L	ND	500	572	114	44-145	
4-Bromofluorobenzene (S)	%.				99	80-114	
Dibromofluoromethane (S)	%.				92	79-116	
Toluene-d8 (S)	%.				101	81-110	

MATRIX SPIKE SAMPLE: 1011589

Parameter	Units	5089280010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	500	554	111	55-145	
1,2-Dichloroethane	ug/L	ND	500	570	114	62-138	
2-Butanone (MEK)	ug/L	ND	2500	2900	116	37-156	
Benzene	ug/L	ND	500	505	101	62-129	
Carbon tetrachloride	ug/L	ND	500	490	98	46-142	
Chlorobenzene	ug/L	ND	500	513	103	49-136	
Chloroform	ug/L	ND	500	507	101	54-150	
Tetrachloroethene	ug/L	ND	500	548	110	33-151	
Trichloroethene	ug/L	ND	500	513	103	50-143	
Vinyl chloride	ug/L	ND	500	614	123	44-145	
4-Bromofluorobenzene (S)	%.				102	80-114	
Dibromofluoromethane (S)	%.				94	79-116	
Toluene-d8 (S)	%.				102	81-110	

MATRIX SPIKE SAMPLE: 1011590

Parameter	Units	5089620001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	500	512	102	55-145	
1,2-Dichloroethane	ug/L	ND	500	518	104	62-138	
2-Butanone (MEK)	ug/L	ND	2500	2890	115	37-156	
Benzene	ug/L	ND	500	485	97	62-129	
Carbon tetrachloride	ug/L	ND	500	428	86	46-142	
Chlorobenzene	ug/L	ND	500	475	95	49-136	
Chloroform	ug/L	ND	500	481	96	54-150	
Tetrachloroethene	ug/L	ND	500	480	96	33-151	
Trichloroethene	ug/L	ND	500	496	99	50-143	
Vinyl chloride	ug/L	ND	500	560	112	44-145	
4-Bromofluorobenzene (S)	%.				100	80-114	
Dibromofluoromethane (S)	%.				93	79-116	
Toluene-d8 (S)	%.				101	81-110	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

QC Batch: MSV/59235 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5089280009

METHOD BLANK: 1011321 Matrix: Water
Associated Lab Samples: 5089280009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,1-Dichloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,1-Dichloroethene	ug/L	ND	5.0	11/13/13 00:48	
1,1-Dichloropropene	ug/L	ND	5.0	11/13/13 00:48	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/13/13 00:48	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
1,2-Dichloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,2-Dichloropropane	ug/L	ND	5.0	11/13/13 00:48	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/13/13 00:48	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
1,3-Dichloropropane	ug/L	ND	5.0	11/13/13 00:48	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
2,2-Dichloropropane	ug/L	ND	5.0	11/13/13 00:48	
2-Butanone (MEK)	ug/L	ND	25.0	11/13/13 00:48	
2-Chlorotoluene	ug/L	ND	5.0	11/13/13 00:48	
2-Hexanone	ug/L	ND	25.0	11/13/13 00:48	
4-Chlorotoluene	ug/L	ND	5.0	11/13/13 00:48	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/13/13 00:48	
Acetone	ug/L	ND	100	11/13/13 00:48	
Acrolein	ug/L	ND	50.0	11/13/13 00:48	
Benzene	ug/L	ND	5.0	11/13/13 00:48	
Bromobenzene	ug/L	ND	5.0	11/13/13 00:48	
Bromochloromethane	ug/L	ND	5.0	11/13/13 00:48	
Bromodichloromethane	ug/L	ND	5.0	11/13/13 00:48	
Bromoform	ug/L	ND	5.0	11/13/13 00:48	
Bromomethane	ug/L	ND	5.0	11/13/13 00:48	
Carbon disulfide	ug/L	ND	10.0	11/13/13 00:48	
Carbon tetrachloride	ug/L	ND	5.0	11/13/13 00:48	
Chlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
Chloroethane	ug/L	ND	5.0	11/13/13 00:48	
Chloroform	ug/L	ND	5.0	11/13/13 00:48	
Chloromethane	ug/L	ND	5.0	11/13/13 00:48	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/13/13 00:48	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/13/13 00:48	
Dibromochloromethane	ug/L	ND	5.0	11/13/13 00:48	
Dibromomethane	ug/L	ND	5.0	11/13/13 00:48	
Dichlorodifluoromethane	ug/L	ND	5.0	11/13/13 00:48	
Ethyl methacrylate	ug/L	ND	100	11/13/13 00:48	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

METHOD BLANK: 1011321 Matrix: Water

Associated Lab Samples: 5089280009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	5.0	11/13/13 00:48	
Iodomethane	ug/L	ND	10.0	11/13/13 00:48	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/13/13 00:48	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/13/13 00:48	
Methylene Chloride	ug/L	ND	5.0	11/13/13 00:48	
n-Butylbenzene	ug/L	ND	5.0	11/13/13 00:48	
n-Hexane	ug/L	ND	5.0	11/13/13 00:48	N2
n-Propylbenzene	ug/L	ND	5.0	11/13/13 00:48	
p-Isopropyltoluene	ug/L	ND	5.0	11/13/13 00:48	
sec-Butylbenzene	ug/L	ND	5.0	11/13/13 00:48	
Styrene	ug/L	ND	5.0	11/13/13 00:48	
tert-Butylbenzene	ug/L	ND	5.0	11/13/13 00:48	
Tetrachloroethene	ug/L	ND	5.0	11/13/13 00:48	
Toluene	ug/L	ND	5.0	11/13/13 00:48	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/13/13 00:48	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/13/13 00:48	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/13/13 00:48	
Trichloroethene	ug/L	ND	5.0	11/13/13 00:48	
Trichlorofluoromethane	ug/L	ND	5.0	11/13/13 00:48	
Vinyl acetate	ug/L	ND	50.0	11/13/13 00:48	
Vinyl chloride	ug/L	ND	2.0	11/13/13 00:48	
Xylene (Total)	ug/L	ND	10.0	11/13/13 00:48	
4-Bromofluorobenzene (S)	%.	97	80-114	11/13/13 00:48	
Dibromofluoromethane (S)	%.	96	79-116	11/13/13 00:48	
Toluene-d8 (S)	%.	100	81-110	11/13/13 00:48	

LABORATORY CONTROL SAMPLE: 1011322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.1	94	61-135	
1,1,1-Trichloroethane	ug/L	50	45.1	90	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	57.0	114	66-126	
1,1,2-Trichloroethane	ug/L	50	54.1	108	77-130	
1,1-Dichloroethane	ug/L	50	46.7	93	75-130	
1,1-Dichloroethene	ug/L	50	41.0	82	68-127	
1,1-Dichloropropene	ug/L	50	49.9	100	78-130	
1,2,3-Trichlorobenzene	ug/L	50	50.0	100	70-130	
1,2,4-Trichlorobenzene	ug/L	50	46.6	93	68-131	
1,2,4-Trimethylbenzene	ug/L	50	52.6	105	69-127	
1,2-Dichlorobenzene	ug/L	50	49.8	100	75-123	
1,2-Dichloroethane	ug/L	50	47.2	94	75-128	
1,2-Dichloropropane	ug/L	50	57.8	116	74-121	
1,3,5-Trimethylbenzene	ug/L	50	53.5	107	70-126	
1,3-Dichlorobenzene	ug/L	50	47.9	96	74-122	
1,3-Dichloropropane	ug/L	50	53.8	108	74-123	

REPORT OF LABORATORY ANALYSIS

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(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

LABORATORY CONTROL SAMPLE: 1011322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	47.9	96	76-120	
2,2-Dichloropropane	ug/L	50	41.2	82	50-137	
2-Butanone (MEK)	ug/L	250	313	125	58-139	
2-Chlorotoluene	ug/L	50	52.2	104	74-122	
2-Hexanone	ug/L	250	283	113	54-140	
4-Chlorotoluene	ug/L	50	51.1	102	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	301	120	58-138	
Acetone	ug/L	250	262	105	49-150	
Acrolein	ug/L	1000	1400	140	41-200	
Benzene	ug/L	50	49.4	99	74-122	
Bromobenzene	ug/L	50	49.7	99	72-127	
Bromochloromethane	ug/L	50	54.1	108	63-132	
Bromodichloromethane	ug/L	50	45.7	91	62-136	
Bromoform	ug/L	50	43.0	86	44-134	
Bromomethane	ug/L	50	48.9	98	22-181	
Carbon disulfide	ug/L	100	77.6	78	59-132	
Carbon tetrachloride	ug/L	50	42.8	86	56-137	
Chlorobenzene	ug/L	50	48.1	96	78-123	
Chloroethane	ug/L	50	47.8	96	60-144	
Chloroform	ug/L	50	48.6	97	78-126	
Chloromethane	ug/L	50	43.7	87	42-134	
cis-1,2-Dichloroethene	ug/L	50	50.8	102	75-122	
cis-1,3-Dichloropropene	ug/L	50	48.5	97	64-126	
Dibromochloromethane	ug/L	50	47.2	94	58-128	
Dibromomethane	ug/L	50	50.6	101	73-125	
Dichlorodifluoromethane	ug/L	50	36.0	72	35-181	
Ethyl methacrylate	ug/L	200	212	106	69-133	
Ethylbenzene	ug/L	50	49.7	99	66-133	
Iodomethane	ug/L	100	82.9	83	21-170	
Isopropylbenzene (Cumene)	ug/L	50	52.2	104	69-124	
Methyl-tert-butyl ether	ug/L	100	85.9	86	69-122	
Methylene Chloride	ug/L	50	41.9	84	68-132	
n-Butylbenzene	ug/L	50	52.3	105	70-126	
n-Hexane	ug/L	50	42.1	84	51-125	N2
n-Propylbenzene	ug/L	50	53.2	106	71-122	
p-Isopropyltoluene	ug/L	50	53.3	107	72-132	
sec-Butylbenzene	ug/L	50	54.8	110	70-128	
Styrene	ug/L	50	52.3	105	74-126	
tert-Butylbenzene	ug/L	50	52.3	105	51-118	
Tetrachloroethene	ug/L	50	46.3	93	69-130	
Toluene	ug/L	50	48.8	98	72-122	
trans-1,2-Dichloroethene	ug/L	50	41.7	83	72-124	
trans-1,3-Dichloropropene	ug/L	50	47.1	94	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	198	99	56-133	
Trichloroethene	ug/L	50	47.1	94	76-126	
Trichlorofluoromethane	ug/L	50	42.9	86	76-149	
Vinyl acetate	ug/L	200	223	111	45-151	
Vinyl chloride	ug/L	50	44.9	90	59-126	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

LABORATORY CONTROL SAMPLE: 1011322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	154	103	70-124	
4-Bromofluorobenzene (S)	%.			98	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			99	81-110	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

QC Batch: MSV/59234 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5089280003, 5089280008

METHOD BLANK: 1011319 Matrix: Solid
Associated Lab Samples: 5089280003, 5089280008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	11/12/13 12:17	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	11/12/13 12:17	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	11/12/13 12:17	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	11/12/13 12:17	
1,1-Dichloroethane	mg/kg	ND	0.0050	11/12/13 12:17	
1,1-Dichloroethene	mg/kg	ND	0.0050	11/12/13 12:17	
1,1-Dichloropropene	mg/kg	ND	0.0050	11/12/13 12:17	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	11/12/13 12:17	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	11/12/13 12:17	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	11/12/13 12:17	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	11/12/13 12:17	
1,2-Dichloroethane	mg/kg	ND	0.0050	11/12/13 12:17	
1,2-Dichloropropane	mg/kg	ND	0.0050	11/12/13 12:17	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	11/12/13 12:17	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	11/12/13 12:17	
1,3-Dichloropropane	mg/kg	ND	0.0050	11/12/13 12:17	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	11/12/13 12:17	
2,2-Dichloropropane	mg/kg	ND	0.0050	11/12/13 12:17	
2-Butanone (MEK)	mg/kg	ND	0.025	11/12/13 12:17	
2-Chlorotoluene	mg/kg	ND	0.0050	11/12/13 12:17	
2-Hexanone	mg/kg	ND	0.10	11/12/13 12:17	
4-Chlorotoluene	mg/kg	ND	0.0050	11/12/13 12:17	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	11/12/13 12:17	
Acetone	mg/kg	ND	0.10	11/12/13 12:17	
Acrolein	mg/kg	ND	0.10	11/12/13 12:17	
Benzene	mg/kg	ND	0.0050	11/12/13 12:17	
Bromobenzene	mg/kg	ND	0.0050	11/12/13 12:17	
Bromochloromethane	mg/kg	ND	0.0050	11/12/13 12:17	
Bromodichloromethane	mg/kg	ND	0.0050	11/12/13 12:17	
Bromoform	mg/kg	ND	0.0050	11/12/13 12:17	
Bromomethane	mg/kg	ND	0.0050	11/12/13 12:17	
Carbon disulfide	mg/kg	ND	0.010	11/12/13 12:17	
Carbon tetrachloride	mg/kg	ND	0.0050	11/12/13 12:17	
Chlorobenzene	mg/kg	ND	0.0050	11/12/13 12:17	
Chloroethane	mg/kg	ND	0.0050	11/12/13 12:17	
Chloroform	mg/kg	ND	0.0050	11/12/13 12:17	
Chloromethane	mg/kg	ND	0.0050	11/12/13 12:17	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	11/12/13 12:17	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	11/12/13 12:17	
Dibromochloromethane	mg/kg	ND	0.0050	11/12/13 12:17	
Dibromomethane	mg/kg	ND	0.0050	11/12/13 12:17	
Dichlorodifluoromethane	mg/kg	ND	0.0050	11/12/13 12:17	
Ethyl methacrylate	mg/kg	ND	0.10	11/12/13 12:17	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

METHOD BLANK: 1011319 Matrix: Solid

Associated Lab Samples: 5089280003, 5089280008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/kg	ND	0.0050	11/12/13 12:17	
Iodomethane	mg/kg	ND	0.10	11/12/13 12:17	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	11/12/13 12:17	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	11/12/13 12:17	
Methylene Chloride	mg/kg	ND	0.020	11/12/13 12:17	
n-Butylbenzene	mg/kg	ND	0.0050	11/12/13 12:17	
n-Hexane	mg/kg	ND	0.0050	11/12/13 12:17	N2
n-Propylbenzene	mg/kg	ND	0.0050	11/12/13 12:17	
p-Isopropyltoluene	mg/kg	ND	0.0050	11/12/13 12:17	
sec-Butylbenzene	mg/kg	ND	0.0050	11/12/13 12:17	
Styrene	mg/kg	ND	0.0050	11/12/13 12:17	
tert-Butylbenzene	mg/kg	ND	0.0050	11/12/13 12:17	
Tetrachloroethene	mg/kg	ND	0.0050	11/12/13 12:17	
Toluene	mg/kg	ND	0.0050	11/12/13 12:17	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	11/12/13 12:17	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	11/12/13 12:17	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	11/12/13 12:17	
Trichloroethene	mg/kg	ND	0.0050	11/12/13 12:17	
Trichlorofluoromethane	mg/kg	ND	0.0050	11/12/13 12:17	
Vinyl acetate	mg/kg	ND	0.10	11/12/13 12:17	
Vinyl chloride	mg/kg	ND	0.0050	11/12/13 12:17	
Xylene (Total)	mg/kg	ND	0.010	11/12/13 12:17	
4-Bromofluorobenzene (S)	%.	98	56-144	11/12/13 12:17	
Dibromofluoromethane (S)	%.	95	85-118	11/12/13 12:17	
Toluene-d8 (S)	%.	99	71-128	11/12/13 12:17	

LABORATORY CONTROL SAMPLE: 1011320

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.05	0.046	93	62-123	
1,1,1-Trichloroethane	mg/kg	.05	0.049	98	70-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.056	111	65-124	
1,1,2-Trichloroethane	mg/kg	.05	0.054	107	74-129	
1,1-Dichloroethane	mg/kg	.05	0.040	80	73-130	
1,1-Dichloroethene	mg/kg	.05	0.041	81	66-126	
1,1-Dichloropropene	mg/kg	.05	0.050	101	78-125	
1,2,3-Trichlorobenzene	mg/kg	.05	0.048	96	66-131	
1,2,4-Trichlorobenzene	mg/kg	.05	0.050	99	68-129	
1,2,4-Trimethylbenzene	mg/kg	.05	0.053	107	67-126	
1,2-Dichlorobenzene	mg/kg	.05	0.049	98	73-122	
1,2-Dichloroethane	mg/kg	.05	0.048	97	73-127	
1,2-Dichloropropane	mg/kg	.05	0.054	108	75-118	
1,3,5-Trimethylbenzene	mg/kg	.05	0.052	105	65-127	
1,3-Dichlorobenzene	mg/kg	.05	0.048	96	73-121	
1,3-Dichloropropane	mg/kg	.05	0.054	109	72-121	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

LABORATORY CONTROL SAMPLE: 1011320

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/kg	.05	0.048	96	75-119	
2,2-Dichloropropane	mg/kg	.05	0.043	85	63-122	
2-Butanone (MEK)	mg/kg	.25	0.28	112	59-139	
2-Chlorotoluene	mg/kg	.05	0.051	103	72-121	
2-Hexanone	mg/kg	.25	0.28	110	56-139	
4-Chlorotoluene	mg/kg	.05	0.051	102	75-123	
4-Methyl-2-pentanone (MIBK)	mg/kg	.25	0.28	113	63-136	
Acetone	mg/kg	.25	0.29	116	46-156	
Acrolein	mg/kg	1	1.5	148	47-200	
Benzene	mg/kg	.05	0.047	94	74-119	
Bromobenzene	mg/kg	.05	0.049	98	69-129	
Bromochloromethane	mg/kg	.05	0.054	108	67-129	
Bromodichloromethane	mg/kg	.05	0.045	91	68-121	
Bromoform	mg/kg	.05	0.042	83	49-124	
Bromomethane	mg/kg	.05	0.052	103	44-142	
Carbon disulfide	mg/kg	.1	0.084	84	61-129	
Carbon tetrachloride	mg/kg	.05	0.044	87	58-127	
Chlorobenzene	mg/kg	.05	0.048	96	77-122	
Chloroethane	mg/kg	.05	0.053	106	59-141	
Chloroform	mg/kg	.05	0.047	93	75-124	
Chloromethane	mg/kg	.05	0.045	91	46-133	
cis-1,2-Dichloroethene	mg/kg	.05	0.048	97	72-122	
cis-1,3-Dichloropropene	mg/kg	.05	0.048	96	68-115	
Dibromochloromethane	mg/kg	.05	0.047	94	60-121	
Dibromomethane	mg/kg	.05	0.052	105	72-124	
Dichlorodifluoromethane	mg/kg	.05	0.038	76	26-186	
Ethyl methacrylate	mg/kg	.2	0.21	105	63-130	
Ethylbenzene	mg/kg	.05	0.048	95	72-123	
Iodomethane	mg/kg	.1	0.11	114	38-149	
Isopropylbenzene (Cumene)	mg/kg	.05	0.053	107	65-123	
Methyl-tert-butyl ether	mg/kg	.1	0.089	89	68-120	
Methylene Chloride	mg/kg	.05	0.047	94	57-142	
n-Butylbenzene	mg/kg	.05	0.053	106	68-125	
n-Hexane	mg/kg	.05	0.042	84	57-117	N2
n-Propylbenzene	mg/kg	.05	0.054	108	68-122	
p-Isopropyltoluene	mg/kg	.05	0.052	104	66-133	
sec-Butylbenzene	mg/kg	.05	0.054	107	64-131	
Styrene	mg/kg	.05	0.053	105	70-126	
tert-Butylbenzene	mg/kg	.05	0.051	101	46-124	
Tetrachloroethene	mg/kg	.05	0.046	93	72-126	
Toluene	mg/kg	.05	0.047	94	71-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.044	89	69-123	
trans-1,3-Dichloropropene	mg/kg	.05	0.047	95	66-114	
trans-1,4-Dichloro-2-butene	mg/kg	.2	0.21	105	61-124	
Trichloroethene	mg/kg	.05	0.048	95	74-123	
Trichlorofluoromethane	mg/kg	.05	0.047	94	72-146	
Vinyl acetate	mg/kg	.2	0.20	99	57-131	
Vinyl chloride	mg/kg	.05	0.047	94	55-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

LABORATORY CONTROL SAMPLE: 1011320

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	mg/kg	.15	0.15	101	66-124	
4-Bromofluorobenzene (S)	%.			98	56-144	
Dibromofluoromethane (S)	%.			98	85-118	
Toluene-d8 (S)	%.			99	71-128	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

QC Batch: OEXT/34283 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 3546 Analysis Description: EPA 8015 TPH Ohio
Associated Lab Samples: 5089280001, 5089280002, 5089280003, 5089280004, 5089280005, 5089280006, 5089280007, 5089280008

METHOD BLANK: 1006959 Matrix: Solid
Associated Lab Samples: 5089280001, 5089280002, 5089280003, 5089280004, 5089280005, 5089280006, 5089280007, 5089280008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	ND	20.0	11/05/13 11:18	
TPH (C10-C20)	mg/kg	ND	10.0	11/05/13 11:18	
TPH (C20-C34)	mg/kg	ND	10.0	11/05/13 11:18	
n-Pentacosane (S)	%.	77	30-153	11/05/13 11:18	

LABORATORY CONTROL SAMPLE: 1006960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/kg	83.3	58.0	70	43-88	
n-Pentacosane (S)	%.			81	30-153	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006961 1006962

Parameter	Units	5089280002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Petroleum Hydrocarbons	mg/kg	70.4	98	98	131	126	62	57	10-136	4	20	
n-Pentacosane (S)	%.						158	157	30-153		20	4d

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

QC Batch: OEXT/34282 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 5089280001, 5089280002, 5089280003, 5089280004, 5089280005, 5089280006, 5089280007, 5089280008

METHOD BLANK: 1006955 Matrix: Solid
Associated Lab Samples: 5089280001, 5089280002, 5089280003, 5089280004, 5089280005, 5089280006, 5089280007, 5089280008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	100	11/05/13 14:50	
PCB-1221 (Aroclor 1221)	ug/kg	ND	100	11/05/13 14:50	
PCB-1232 (Aroclor 1232)	ug/kg	ND	100	11/05/13 14:50	
PCB-1242 (Aroclor 1242)	ug/kg	ND	100	11/05/13 14:50	
PCB-1248 (Aroclor 1248)	ug/kg	ND	100	11/05/13 14:50	
PCB-1254 (Aroclor 1254)	ug/kg	ND	100	11/05/13 14:50	
PCB-1260 (Aroclor 1260)	ug/kg	ND	100	11/05/13 14:50	
Tetrachloro-m-xylene (S)	%.	67	30-106	11/05/13 14:50	

LABORATORY CONTROL SAMPLE: 1006956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	122	73	42-100	
PCB-1260 (Aroclor 1260)	ug/kg	167	112	67	40-106	
Tetrachloro-m-xylene (S)	%.			69	30-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006957 1006958

Parameter	Units	5089280002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	197	195	120	126	61	64	10-145	4	20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	197	195	109J	118	55	61	16-132	8	20	
Tetrachloro-m-xylene (S)	%.						58	60	30-106		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

QC Batch: OEXT/34284 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
Associated Lab Samples: 5089280001, 5089280002, 5089280003, 5089280004, 5089280005, 5089280006, 5089280007, 5089280008

METHOD BLANK: 1006963 Matrix: Solid
Associated Lab Samples: 5089280001, 5089280002, 5089280003, 5089280004, 5089280005, 5089280006, 5089280007, 5089280008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/kg	ND	330	11/13/13 01:39	
2,4,6-Trichlorophenol	ug/kg	ND	330	11/13/13 01:39	
2,4-Dichlorophenol	ug/kg	ND	330	11/13/13 01:39	
2,4-Dimethylphenol	ug/kg	ND	330	11/13/13 01:39	
2,4-Dinitrophenol	ug/kg	ND	1600	11/13/13 01:39	
2,4-Dinitrotoluene	ug/kg	ND	330	11/13/13 01:39	
2,6-Dinitrotoluene	ug/kg	ND	330	11/13/13 01:39	
2-Chloronaphthalene	ug/kg	ND	330	11/13/13 01:39	
2-Chlorophenol	ug/kg	ND	330	11/13/13 01:39	
2-Methylnaphthalene	ug/kg	ND	330	11/13/13 01:39	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	11/13/13 01:39	
2-Nitroaniline	ug/kg	ND	1600	11/13/13 01:39	
2-Nitrophenol	ug/kg	ND	330	11/13/13 01:39	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	660	11/13/13 01:39	
3-Nitroaniline	ug/kg	ND	1600	11/13/13 01:39	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1600	11/13/13 01:39	
4-Bromophenylphenyl ether	ug/kg	ND	330	11/13/13 01:39	
4-Chloro-3-methylphenol	ug/kg	ND	660	11/13/13 01:39	
4-Chloroaniline	ug/kg	ND	660	11/13/13 01:39	
4-Chlorophenylphenyl ether	ug/kg	ND	330	11/13/13 01:39	
4-Nitroaniline	ug/kg	ND	1600	11/13/13 01:39	
4-Nitrophenol	ug/kg	ND	1600	11/13/13 01:39	
Acenaphthene	ug/kg	ND	330	11/13/13 01:39	
Acenaphthylene	ug/kg	ND	330	11/13/13 01:39	
Anthracene	ug/kg	ND	330	11/13/13 01:39	
Benzo(a)anthracene	ug/kg	ND	330	11/13/13 01:39	
Benzo(a)pyrene	ug/kg	ND	170	11/13/13 01:39	
Benzo(b)fluoranthene	ug/kg	ND	330	11/13/13 01:39	
Benzo(g,h,i)perylene	ug/kg	ND	330	11/13/13 01:39	
Benzo(k)fluoranthene	ug/kg	ND	330	11/13/13 01:39	
Benzyl alcohol	ug/kg	ND	660	11/13/13 01:39	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	11/13/13 01:39	
bis(2-Chloroethyl) ether	ug/kg	ND	330	11/13/13 01:39	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	11/13/13 01:39	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	11/13/13 01:39	
Butylbenzylphthalate	ug/kg	ND	330	11/13/13 01:39	
Chrysene	ug/kg	ND	330	11/13/13 01:39	
Di-n-butylphthalate	ug/kg	ND	330	11/13/13 01:39	
Di-n-octylphthalate	ug/kg	ND	330	11/13/13 01:39	
Dibenz(a,h)anthracene	ug/kg	ND	170	11/13/13 01:39	
Dibenzofuran	ug/kg	ND	330	11/13/13 01:39	
Diethylphthalate	ug/kg	ND	330	11/13/13 01:39	
Dimethylphthalate	ug/kg	ND	330	11/13/13 01:39	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

METHOD BLANK: 1006963 Matrix: Solid

Associated Lab Samples: 5089280001, 5089280002, 5089280003, 5089280004, 5089280005, 5089280006, 5089280007, 5089280008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoranthene	ug/kg	ND	330	11/13/13 01:39	
Fluorene	ug/kg	ND	330	11/13/13 01:39	
Hexachlorocyclopentadiene	ug/kg	ND	330	11/13/13 01:39	
Hexachloroethane	ug/kg	ND	330	11/13/13 01:39	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	11/13/13 01:39	
Isophorone	ug/kg	ND	330	11/13/13 01:39	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	11/13/13 01:39	
N-Nitrosodiphenylamine	ug/kg	ND	330	11/13/13 01:39	
Naphthalene	ug/kg	ND	330	11/13/13 01:39	
Nitrobenzene	ug/kg	ND	330	11/13/13 01:39	
Phenanthrene	ug/kg	ND	330	11/13/13 01:39	
Phenol	ug/kg	ND	330	11/13/13 01:39	
Pyrene	ug/kg	ND	330	11/13/13 01:39	
2,4,6-Tribromophenol (S)	%.	77	16-122	11/13/13 01:39	
2-Fluorobiphenyl (S)	%.	68	31-94	11/13/13 01:39	
2-Fluorophenol (S)	%.	83	24-104	11/13/13 01:39	
Nitrobenzene-d5 (S)	%.	70	28-101	11/13/13 01:39	
p-Terphenyl-d14 (S)	%.	92	26-110	11/13/13 01:39	
Phenol-d5 (S)	%.	77	28-101	11/13/13 01:39	

LABORATORY CONTROL SAMPLE: 1006964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	3330	2240	67	39-103	
2-Chlorophenol	ug/kg	3330	2030	61	38-96	
2-Methylnaphthalene	ug/kg	3330	2240	67	36-94	
4-Chloro-3-methylphenol	ug/kg	3330	2050	62	38-104	
4-Nitrophenol	ug/kg	3330	2180	65	34-104	
Acenaphthene	ug/kg	3330	2380	71	43-99	
Acenaphthylene	ug/kg	3330	2440	73	42-101	
Anthracene	ug/kg	3330	2460	74	46-107	
Benzo(a)anthracene	ug/kg	3330	2490	75	45-108	
Benzo(a)pyrene	ug/kg	3330	2670	80	47-113	
Benzo(b)fluoranthene	ug/kg	3330	2680	80	41-110	
Benzo(g,h,i)perylene	ug/kg	3330	2540	76	42-112	
Benzo(k)fluoranthene	ug/kg	3330	2350	71	44-107	
Chrysene	ug/kg	3330	2560	77	43-103	
Dibenz(a,h)anthracene	ug/kg	3330	2660	80	43-110	
Fluoranthene	ug/kg	3330	2370	71	45-105	
Fluorene	ug/kg	3330	2430	73	42-103	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	2510	75	43-111	
N-Nitroso-di-n-propylamine	ug/kg	3330	2070	62	37-96	
Naphthalene	ug/kg	3330	2140	64	44-100	
Phenanthrene	ug/kg	3330	2510	75	44-104	
Phenol	ug/kg	3330	2040	61	37-101	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

LABORATORY CONTROL SAMPLE: 1006964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	3330	2290	69	44-105	
2,4,6-Tribromophenol (S)	%.			76	16-122	
2-Fluorobiphenyl (S)	%.			70	31-94	
2-Fluorophenol (S)	%.			71	24-104	
Nitrobenzene-d5 (S)	%.			67	28-101	
p-Terphenyl-d14 (S)	%.			82	26-110	
Phenol-d5 (S)	%.			69	28-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1006965 1006966

Parameter	Units	5089280002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/kg	ND	3960	3960	2560	2890	65	73	15-102	12	20	
2-Chlorophenol	ug/kg	ND	3960	3960	2350	2710	59	68	22-96	14	20	
2-Methylnaphthalene	ug/kg	ND	3960	3960	2510	2920	62	73	14-107	15	20	
4-Chloro-3-methylphenol	ug/kg	ND	3960	3960	2540	2950	64	75	21-105	15	20	
4-Nitrophenol	ug/kg	ND	3960	3960	2640	2900	67	73	12-107	9	20	
Acenaphthene	ug/kg	ND	3960	3960	2530	2970	62	73	19-110	16	20	
Acenaphthylene	ug/kg	ND	3960	3960	2610	2950	65	73	21-106	12	20	
Anthracene	ug/kg	262J	3960	3960	2830	3280	65	76	22-112	15	20	
Benzo(a)anthracene	ug/kg	1070	3960	3960	3090	3900	51	72	13-116	23	20	R1
Benzo(a)pyrene	ug/kg	1000	3960	3960	3120	3840	53	72	11-119	21	20	R1
Benzo(b)fluoranthene	ug/kg	1520	3960	3960	3060	4100	39	65	10-126	29	20	R1
Benzo(g,h,i)perylene	ug/kg	584	3960	3960	2710	3440	54	72	10-114	24	20	R1
Benzo(k)fluoranthene	ug/kg	443	3960	3960	3110	3280	67	72	10-117	5	20	
Chrysene	ug/kg	960	3960	3960	2760	3510	45	64	14-107	24	20	R1
Dibenz(a,h)anthracene	ug/kg	ND	3960	3960	2570	3150	61	76	10-119	20	20	
Fluoranthene	ug/kg	2170	3960	3960	3570	4120	35	49	17-110	14	20	
Fluorene	ug/kg	ND	3960	3960	2760	3270	67	80	17-115	17	20	
Indeno(1,2,3-cd)pyrene	ug/kg	530	3960	3960	2670	3360	54	71	11-111	23	20	R1
N-Nitroso-di-n-propylamine	ug/kg	ND	3960	3960	2490	2730	63	69	18-103	9	20	
Naphthalene	ug/kg	ND	3960	3960	2270	2750	57	69	16-102	19	20	
Phenanthrene	ug/kg	1020	3960	3960	3310	4250	58	82	10-128	25	20	R1
Phenol	ug/kg	ND	3960	3960	2440	2770	62	70	22-97	13	20	
Pyrene	ug/kg	1660	3960	3960	3270	3630	41	50	10-123	11	20	
2,4,6-Tribromophenol (S)	%.						72	83	16-122			
2-Fluorobiphenyl (S)	%.						59	69	31-94			
2-Fluorophenol (S)	%.						66	78	24-104			
Nitrobenzene-d5 (S)	%.						58	71	26-98			
p-Terphenyl-d14 (S)	%.						73	74	26-110			
Phenol-d5 (S)	%.						66	78	28-101			

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

QC Batch: OEXT/34316
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 TCLP MSSV
Associated Lab Samples: 5089280010

METHOD BLANK: 1008065 Matrix: Water
Associated Lab Samples: 5089280010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	11/07/13 12:10	
2,4,5-Trichlorophenol	ug/L	ND	500	11/07/13 12:10	
2,4,6-Trichlorophenol	ug/L	ND	100	11/07/13 12:10	
2,4-Dinitrotoluene	ug/L	ND	100	11/07/13 12:10	
2-Methylphenol(o-Cresol)	ug/L	ND	100	11/07/13 12:10	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	200	11/07/13 12:10	
Hexachloro-1,3-butadiene	ug/L	ND	100	11/07/13 12:10	
Hexachlorobenzene	ug/L	ND	100	11/07/13 12:10	
Hexachloroethane	ug/L	ND	100	11/07/13 12:10	
Nitrobenzene	ug/L	ND	100	11/07/13 12:10	
Pentachlorophenol	ug/L	ND	500	11/07/13 12:10	
Pyridine	ug/L	ND	100	11/07/13 12:10	
2,4,6-Tribromophenol (S)	%.	84	31-161	11/07/13 12:10	
2-Fluorobiphenyl (S)	%.	69	31-118	11/07/13 12:10	
2-Fluorophenol (S)	%.	34	10-67	11/07/13 12:10	
Nitrobenzene-d5 (S)	%.	76	29-126	11/07/13 12:10	
p-Terphenyl-d14 (S)	%.	89	28-129	11/07/13 12:10	
Phenol-d5 (S)	%.	19	10-47	11/07/13 12:10	

LABORATORY CONTROL SAMPLE: 1008066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	1000	709	71	29-102	
2,4,5-Trichlorophenol	ug/L	1000	893	89	42-125	
2,4,6-Trichlorophenol	ug/L	1000	820	82	44-122	
2,4-Dinitrotoluene	ug/L	1000	881	88	36-126	
2-Methylphenol(o-Cresol)	ug/L	1000	596	60	30-85	
3&4-Methylphenol(m&p Cresol)	ug/L	2000	1050	53	22-76	
Hexachloro-1,3-butadiene	ug/L	1000	703	70	26-102	
Hexachlorobenzene	ug/L	1000	625	62	36-115	
Hexachloroethane	ug/L	1000	735	73	24-101	
Nitrobenzene	ug/L	1000	1010	101	36-114	
Pentachlorophenol	ug/L	1000	733	73	31-125	
Pyridine	ug/L	1000	194	19	10-41	
2,4,6-Tribromophenol (S)	%.			89	31-161	
2-Fluorobiphenyl (S)	%.			75	31-118	
2-Fluorophenol (S)	%.			39	10-67	
Nitrobenzene-d5 (S)	%.			80	29-126	
p-Terphenyl-d14 (S)	%.			82	28-129	
Phenol-d5 (S)	%.			22	10-47	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

MATRIX SPIKE SAMPLE: 1008067

Parameter	Units	5089280010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	1000	621	62	39-91	
2,4,5-Trichlorophenol	ug/L	ND	1000	803	80	41-125	
2,4,6-Trichlorophenol	ug/L	ND	1000	739	74	42-120	
2,4-Dinitrotoluene	ug/L	ND	1000	790	79	34-124	
2-Methylphenol(o-Cresol)	ug/L	ND	1000	492	49	21-101	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2000	851	43	10-104	
Hexachloro-1,3-butadiene	ug/L	ND	1000	592	59	36-97	
Hexachlorobenzene	ug/L	ND	1000	572	57	37-115	
Hexachloroethane	ug/L	ND	1000	619	62	31-93	
Nitrobenzene	ug/L	ND	1000	892	89	42-114	
Pentachlorophenol	ug/L	ND	1000	745	74	30-128	
Pyridine	ug/L	ND	1000	126	13	10-46	
2,4,6-Tribromophenol (S)	%.				84	31-161	
2-Fluorobiphenyl (S)	%.				68	31-118	
2-Fluorophenol (S)	%.				32	10-67	
Nitrobenzene-d5 (S)	%.				73	29-126	
p-Terphenyl-d14 (S)	%.				69	28-129	
Phenol-d5 (S)	%.				17	10-47	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

QC Batch: PMST/8904 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5089280001, 5089280002, 5089280003, 5089280004, 5089280005, 5089280006, 5089280007, 5089280008

SAMPLE DUPLICATE: 1007169

Parameter	Units	5089246008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10	9.9	1	5	

SAMPLE DUPLICATE: 1007170

Parameter	Units	5089280002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.8	15.7	1	5	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

QC Batch: WET/13667
QC Batch Method: EPA 9045
Analysis Method: EPA 9045
Analysis Description: 9045 pH
Associated Lab Samples: 5089280003, 5089280004

SAMPLE DUPLICATE: 1007047

Parameter	Units	5089243002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.0	7.8	3	20	

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Due to the viscosity of the extract, it was run at 10x. KES 11-14-13
2d	RPD is outside control limits due to sample non-homogeneity. FRW 11-5-13
3d	Sample did not concentrate to a 1ml final volume, surroate recovery not evaluated agaonst control limits. KES 11-14-13
4d	The surrogate recovery exceeds the upper limit due to significant contribution from the target analyte. CEM 11/05/13
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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METHOD CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Parameter	Matrix	Analytical Method	Preparation Method
6010 MET ICP	Solid	SW-846 6010B	SW-846 3050B
7471 Mercury	Solid	SW-846 7471A	SW-846 7471A
8015 GRO 5035	Solid	SW-846 8015B	SW-846 5035A
8015 Gasoline Range Organics	Solid	SW-846 8015A	SW-846 5030A
8015 TPH Ohio Microwave	Solid	SW-846 8015B	SW-846 3546
8082 GCS PCB	Solid	SW-846 8082	SW-846 3546
8260 MSV	Water	SW-846 8260B	SW-846 5030B
8260 MSV 5035A VOA	Solid	SW-846 8260B	SW-846 5035A
8270 MSSV SHORT LIST MICROWAVE	Solid	SW-846 8270C	SW-846 3546

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Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089280001	**FAW-SB08(0-2)-110113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089280002	**FAW-SB08(2-4)-110113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089280003	**FAW-SB08(8-10)-110113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089280004	**FAW-SB09(0-2)-110113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089280005	**FAW-SB09(0-2)-110113D**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089280006	**FAW-SB09(2-4)-110113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089280007	**FAW-SB09(8-10)-110113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089280008	**FAW-MW02b(2-4)-110113**	EPA 3546	OEXT/34283	EPA 8015 Mod Ext	GCSV/11684
5089280001	**FAW-SB08(0-2)-110113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089280002	**FAW-SB08(2-4)-110113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089280003	**FAW-SB08(8-10)-110113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089280004	**FAW-SB09(0-2)-110113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089280005	**FAW-SB09(0-2)-110113D**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089280006	**FAW-SB09(2-4)-110113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089280007	**FAW-SB09(8-10)-110113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089280008	**FAW-MW02b(2-4)-110113**	EPA 3546	OEXT/34282	EPA 8082	GCSV/11685
5089280003	**FAW-SB08(8-10)-110113**	EPA 8015 Mod Pur	GCV/17349		
5089280008	**FAW-MW02b(2-4)-110113**	EPA 8015 Mod Pur	GCV/17351		
5089280001	**FAW-SB08(0-2)-110113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089280002	**FAW-SB08(2-4)-110113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089280003	**FAW-SB08(8-10)-110113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089280004	**FAW-SB09(0-2)-110113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089280005	**FAW-SB09(0-2)-110113D**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089280006	**FAW-SB09(2-4)-110113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089280007	**FAW-SB09(8-10)-110113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089280008	**FAW-MW02b(2-4)-110113**	EPA 3050	MPRP/12371	EPA 6010	ICP/13703
5089280010	**FAW-IDW03-110113**	EPA 3010	MPRP/12431	EPA 6010	ICP/13796
5089280010	**FAW-IDW03-110113**	EPA 7470	MERP/5034	EPA 7470	MERC/5374
5089280001	**FAW-SB08(0-2)-110113**	EPA 7471	MERP/5019	EPA 7471	MERC/5361
5089280002	**FAW-SB08(2-4)-110113**	EPA 7471	MERP/5019	EPA 7471	MERC/5361
5089280003	**FAW-SB08(8-10)-110113**	EPA 7471	MERP/5019	EPA 7471	MERC/5361
5089280004	**FAW-SB09(0-2)-110113**	EPA 7471	MERP/5019	EPA 7471	MERC/5361
5089280005	**FAW-SB09(0-2)-110113D**	EPA 7471	MERP/5019	EPA 7471	MERC/5361
5089280006	**FAW-SB09(2-4)-110113**	EPA 7471	MERP/5019	EPA 7471	MERC/5361
5089280007	**FAW-SB09(8-10)-110113**	EPA 7471	MERP/5019	EPA 7471	MERC/5361
5089280008	**FAW-MW02b(2-4)-110113**	EPA 7471	MERP/5019	EPA 7471	MERC/5361
5089280001	**FAW-SB08(0-2)-110113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089280002	**FAW-SB08(2-4)-110113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089280003	**FAW-SB08(8-10)-110113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089280004	**FAW-SB09(0-2)-110113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089280005	**FAW-SB09(0-2)-110113D**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089280006	**FAW-SB09(2-4)-110113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089280007	**FAW-SB09(8-10)-110113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926
5089280008	**FAW-MW02b(2-4)-110113**	EPA 3546	OEXT/34284	EPA 8270	MSSV/13926

REPORT OF LABORATORY ANALYSIS

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Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089280

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089280010	**FAW-IDW03-110113**	EPA 3510	OEXT/34316	EPA 8270	MSSV/13879
5089280010	**FAW-IDW03-110113**	EPA 8260	MSV/59278		
5089280009	**FAW-TB12-110113**	EPA 8260	MSV/59235		
5089280003	**FAW-SB08(8-10)-110113**	EPA 8260	MSV/59234		
5089280008	**FAW-MW02b(2-4)-110113**	EPA 8260	MSV/59234		
5089280001	**FAW-SB08(0-2)-110113**	ASTM D2974-87	PMST/8904		
5089280002	**FAW-SB08(2-4)-110113**	ASTM D2974-87	PMST/8904		
5089280003	**FAW-SB08(8-10)-110113**	ASTM D2974-87	PMST/8904		
5089280004	**FAW-SB09(0-2)-110113**	ASTM D2974-87	PMST/8904		
5089280005	**FAW-SB09(0-2)-110113D**	ASTM D2974-87	PMST/8904		
5089280006	**FAW-SB09(2-4)-110113**	ASTM D2974-87	PMST/8904		
5089280007	**FAW-SB09(8-10)-110113**	ASTM D2974-87	PMST/8904		
5089280008	**FAW-MW02b(2-4)-110113**	ASTM D2974-87	PMST/8904		
5089280010	**FAW-IDW03-110113**	EPA 1010	WET/13720		
5089280003	**FAW-SB08(8-10)-110113**	EPA 9045	WET/13667		
5089280004	**FAW-SB09(0-2)-110113**	EPA 9045	WET/13667		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

VOC

Section A Required Client Information:

Company: Weston Solutions
Address: 711 E Monument Ave
Dayton OH 45402
Email To: laura.funk@westonsolutions.com
Phone: 937-531-4402 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: laura.funk@westonsolutions.com
Copy To:
Purchase Order No.:
Project Name: FAW
Project Number: 20405.016.008.2234.00

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

Page: of
1737123

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER Ohio VAP

Site Location STATE: OH

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOC	TPH-GRO	SVOC	PCB	TPH-DRO	Metals	FOC	PH	TCLP VOC & TCLP SVOC	TCLP Pest & TCLP Herb	TCLP metals	Flash point	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FAW-SB08(0-2)-110113	SL	G	11/1/13	0935				2	2											X	X							9059280-001
2	FAW-SB08(2-4)-110113	SL	G		0945				7	7											X	X	X						-002
3	FAW-SB08(8-10)-110113	SL	G		1000				9	4							1	4	X	X	X	X	X	X	X				-003
4	FAW-SB09(0-2)-110113	SL	G		0835				3	3											X	X	X	X		X			-004
5	FAW-SB09(0-2)-110113D	SL	G		0835				2	2											X	X	X	X					-005
6	FAW-SB09(2-4)-110113	SL	G		0840				3	3											X	X	X	X	X				-006
7	FAW-SB09(8-10)-110113	SL	G		0850				2	2											X	X	X	X					-007
8	FAW-MW02b(2-4)-110113	SL	G		1055				8	3							1	4	X	X	X	X	X	X					-008
9	FAW-TB12-110113	WT							1												X								-009
10	FAW-IDW03-110113	SL	G	11/1/13	1320				4	4															X	X	X	X	-010
11																													
12																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
FAW-SB08(2-4)-110113 is a MS/MSD	Rafe Weston	11/1/13	1550		11/1/13	1550	4 4 4
Metals: Al, Sb, As, Ba, Be, Cd, Ca, Co, Cu, Pb, Mg, Ni, Se, Ag, Tl, V, Zn Mn/Fe							
110213 @ 1110 CW 2.1°C							

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Ryan Green
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 11/1/2013

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Client Name: Weston Solutions Project # 520f9280

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 8033 7845 3251

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Date/Time 5035A kits placed in freezer: 11/02/13 1111

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used 1 2 3 4 6 A B C (D) E **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 2.1°C **Ice Visible in Sample Containers:** ☐ yes ☒ no

(Corrected, if applicable)

Temp should be above freezing to 6°C

Comments:

Date and initials of person examining contents: 11/02/13 CW

Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☒No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	6.
Containers Intact:	☒Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☒No	☐N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☒N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	10.
Trip Blank Present:	☒Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☒Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	12.
Sufficient Volume:	☒Yes	☐No	☐N/A	13.
Correct Containers Used:	☒Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Kenneth Hunt **Date:** 11/4/13

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: Weston Solutions

COC PAGE 1 of 1
COC ID# 173723

Project # SDG9280

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1			2													
2			7													
3			3		6											
4			3													
5			2													
6			3													
7			2													
8			2		6											
9	1															
10			4													
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 15, 2013

Kenneth Hunt
PASI Indianapolis
7726 Moller Road
Indianapolis, IN 46268

RE: Project 20161344
Project ID: 5089280/WESTON SOLUTION

Dear Kenneth Hunt:

Enclosed are the analytical results for sample(s) received by the laboratory on November 05, 2013. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerly,

Regina Ste. Marie

Regina Ste. Marie
regina.ste.marie@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 20161344

Client: PASI Indianapolis

Project ID: 5089280/WESTON SOLUTION

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylvania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

11/15/2013 13:25:33

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Sample Cross Reference

Project: 20161344

Client: PASI Indianapolis

Project ID: 5089280/WESTON SOLUTION

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
FAW-SB09(2-4)-110113	201140147	Soil	01-Nov-13 08:40	05-Nov-13 11:00
FAW-IDW03-110113	201140150	Soil	01-Nov-13 13:20	05-Nov-13 11:00
FAW-SB08(2-4)-110113	201140420	Soil	01-Nov-13 09:45	05-Nov-13 11:00

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Project: 20161344

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

All surrogate recoveries were within QC limits.

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(504) 469-0333

QC Cross Reference

Project: 20161344

Analytical Method	Batch	Sample used for QC
EPA 8081	221302	Batch sample from another client
EPA 8151	221304	Batch sample from another client
Dry Weight Moisture	221225	Batch sample from another client
Dry Weight Moisture	221517	Project sample FAW-SB08(2-4)-110113
ASTM D2974	221077	Client sample FAW-MW02(0-2)-102913 from project 20161179
ASTM D2974	221077	Project sample FAW-SB08(2-4)-110113

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from a different client was used.

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-IDW03-110113
Project ID: 5089280/WESTON SOLUTION
Lab ID: 201140150 (TCLP)
Description: None
Method: EPA 8081 (TCLP)
8081 Pests TCLP

Project: 20161344
Site: None
Matrix: Soil
Prep Level: TCLP

% Moisture: 0 Not Corrected
Batch: 221302

Collected: 01-Nov-13
Received: 05-Nov-13
Prepared: 12-Nov-13

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	0.400	12-Nov-13 15:21	SLF
57-74-9	Chlordane	1	ND		0.00500	0.0300	12-Nov-13 15:21	SLF
72-20-8	Endrin	1	ND		0.00100	0.0200	12-Nov-13 15:21	SLF
76-44-8	Heptachlor	1	ND		0.000500	0.00800	12-Nov-13 15:21	SLF
1024-57-3	Heptachlor epoxide	1	ND		0.000500	0.00800	12-Nov-13 15:21	SLF
72-43-5	Methoxychlor	1	ND		0.00500	10.0	12-Nov-13 15:21	SLF
8001-35-2	Toxaphene	1	ND		0.0200	0.500	12-Nov-13 15:21	SLF

7 compound(s) reported

Protocol 11/15/2013 13:27:46

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: PASI Indianapolis

Client ID: FAW-IDW03-110113
Project ID: 5089280/WESTON SOLUTION
Lab ID: 201140150 (TCLP)
Description: None
Method: EPA 8151 (TCLP)
8151 Herbs TCLP

Project: 20161344
Site: None
Matrix: Soil
Prep Level: TCLP
% Moisture: 0 Not Corrected
Batch: 221304
Collected: 01-Nov-13
Received: 05-Nov-13
Prepared: 12-Nov-13

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1	ND		0.0200	10.0	13-Nov-13 18:13	SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	1.00	13-Nov-13 18:13	SPP1

2 compound(s) reported

Protocol 11/15/2013 13:27:47

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Sample Results

Client: PASI Indianapolis

Client ID: FAW-SB09(2-4)-110113
Project: 20161344
Project ID: 5089280/WESTON SOLUTION
Site: None
Lab ID: 201140147
Matrix: Soil
%Moisture: 6.1 Not Corrected
Description: None

Collected: 01-Nov-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	221077	1	8.45		% (w/w)	0.100	08-Nov-13	08-Nov-13 12:42 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

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Client: PASI Indianapolis

Client ID: FAW-SB08(2-4)-110113
Project: 20161344
Project ID: 5089280/WESTON SOLUTION
Site: None
Lab ID: 201140420
Matrix: Soil
%Moisture: 13.1 Not Corrected
Description: None

Collected: 01-Nov-13
Received: 05-Nov-13

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Fractional Organic Carbo	ASTM D2974	221077	1	3.60		% (w/w)	0.100	08-Nov-13	08-Nov-13 12:42 JMA	

1 parameter(s) reported

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Surrogate Recovery

Batch: 221302 **Project:** 20161344

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201142468	221302 BLANK 1		76	73	45	50				
201142469	221302 LCS 1		71	75	50	52				
201142470	DC MS 1		65	66	48	49				
201142471	DC MSD 1		77	76	52	52				
201140150	FAW-IDW03-110113		72	72	48	48				
	QC limits:		10-137	10-137	18-119	18-119				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

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Surrogate Recovery

Batch: 221304 **Project:** 20161344

Method: TCLP GC Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201142476	221304 BLANK 1		78	75						
201142477	221304 LCS 1		72	68						
201142478	DC MS 1		64	59						
201142479	DC MSD 1		64	59						
201140150	FAW-IDW03-110113		59	56						
	QC limits:		10-166	10-166						

Sur 1: 2,4-DCPA (Conf)(S)
Sur 2: 2,4-DCPA (S)

Surrogates 11/15/2013 13:27:51

*** denotes surrogate recovery outside of QC limits.**

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

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Batch: 221302 **Project:** 20161344 **LCS:** 201142469 12-Nov-13 14:31

Method: TCLP GC Semivolatile Organics **MS:** 201142470 12-Nov-13 14:56

Units: mg/L **MSD:** 201142471 12-Nov-13 15:09

Original for MS: Batch Sample 201138851

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
gamma-BHC (Lindane)	0.00500	0.00330	66	0.00500		0.00338	0.00381	68	76	12	28-128	17-149	20	
Endrin	0.00500	0.00335	67	0.00500		0.00337	0.00392	67	78	15	20-153	22-160	20	
Heptachlor	0.00500	0.00182	36	0.00500		0.00233	0.00258	47	52	10	10-115	10-134	20	
Heptachlor epoxide	0.00500	0.00292	58	0.00500		0.00313	0.00351	63	70	12	30-119	13-147	20	
Methoxychlor	0.00500	0.00359	72	0.00500		0.00338	0.00417	68	83	21 *	21-150	17-166	20	

5 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

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Batch: 221304 **Project:** 20161344 **LCS:** 201142477 13-Nov-13 17:08

Method: TCLP GC Semivolatile Organics **MS:** 201142478 13-Nov-13 17:40

Units: mg/L **MSD:** 201142479 13-Nov-13 17:56

Original for MS: Batch Sample 201138851

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
2,4-D	0.0400	0.0275	69	0.0400	0.0341	0.0527	0.0469	47	32	12	10-151	10-160	27	
2,4,5-TP (Silvex)	0.0400	0.0326	82	0.0400		0.0268	0.0246	67	61	9	22-158	16-164	20	

2 compound(s) reported

QC Protocol 11/15/2013 13:27:53

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Blank Results

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Blank ID: 221302 BLANK 1 **Project:** 20161344

Lab ID: 201142468

Prep Level: TCLP **Batch:** 221302

Method: TCLP GC Semivolatile Organics

Prepared: 12-Nov-13

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis	
58-89-9	gamma-BHC (Lindane)	1	ND		0.000500	12-Nov-13 14:18	SLF
57-74-9	Chlordane	1	ND		0.00500	12-Nov-13 14:18	SLF
72-20-8	Endrin	1	ND		0.00100	12-Nov-13 14:18	SLF
76-44-8	Heptachlor	1	ND		0.000500	12-Nov-13 14:18	SLF
1024-57-3	Heptachlor epoxide	1	ND		0.000500	12-Nov-13 14:18	SLF
72-43-5	Methoxychlor	1	ND		0.00500	12-Nov-13 14:18	SLF
8001-35-2	Toxaphene	1	ND		0.0200	12-Nov-13 14:18	SLF

7 compound(s) reported

Protocol Blank 11/15/2013 13:27:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Blank Results

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Blank ID: 221304 BLANK 1 **Project:** 20161344

Lab ID: 201142476

Prep Level: TCLP **Batch:** 221304

Method: TCLP GC Semivolatile Organics

Prepared: 12-Nov-13

Units: mg/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis
94-75-7	2,4-D	1	ND		0.0200	13-Nov-13 16:52 SPP1
93-72-1	2,4,5-TP (Silvex)	1	ND		0.0200	13-Nov-13 16:52 SPP1

2 compound(s) reported

Protocol Blank 11/15/2013 13:27:

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

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Project: 20161344

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Fractional Organic C	221077	<0.100	% (w/w)										61 *			20	
Fractional Organic C	221077	<0.100	% (w/w)										31 *			20	

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

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Project: 20161344

Value	Description
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

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(317)875-5894

November 14, 2013

Ms. Laura Funk
Weston Solutions
711 East Monument Ave
Dayton, OH 45402

RE: Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

Dear Ms. Funk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5089281001	**FAW-IDW04-110113**	Water	11/01/13 13:50	11/02/13 11:38

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5089281001	**FAW-IDW04-110113**	EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW	7	PASI-I
		EPA 7470	LLB	1	PASI-I
		EPA 8270	KES	63	PASI-I
		EPA 8260	GRM	68	PASI-I

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

Sample: FAW-IDW04-110113 **Lab ID: 5089281001** Collected: 11/01/13 13:50 Received: 11/02/13 11:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:10	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:10	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:10	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:10	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:10	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:10	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.52	0.26	1	11/05/13 10:55	11/05/13 19:10	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	23	%.	32-115		1	11/05/13 10:55	11/05/13 19:10	877-09-8	1d
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**14.6**	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:04	7440-38-2	
Barium	**78.5J**	ug/L	100	10.0	1	11/05/13 08:12	11/06/13 10:04	7440-39-3	
Cadmium	ND	ug/L	5.0	2.5	1	11/05/13 08:12	11/06/13 10:04	7440-43-9	
Chromium	**12.2**	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:04	7440-47-3	
Lead	**64.0**	ug/L	10.0	4.0	1	11/05/13 08:12	11/06/13 10:04	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:04	7782-49-2	
Silver	ND	ug/L	50.0	25.0	1	11/05/13 08:12	11/06/13 10:04	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1.0	1	11/05/13 10:15	11/06/13 13:50	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	83-32-9	
Acenaphthylene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	208-96-8	
Anthracene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	207-08-9	
Benzyl alcohol	ND	ug/L	20.4	10.2	1	11/04/13 10:52	11/04/13 18:35	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.4	10.2	1	11/04/13 10:52	11/04/13 18:35	59-50-7	
4-Chloroaniline	ND	ug/L	20.4	10.2	1	11/04/13 10:52	11/04/13 18:35	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.1	3.5	1	11/04/13 10:52	11/04/13 18:35	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	91-58-7	
2-Chlorophenol	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	7005-72-3	
Chrysene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	53-70-3	
Dibenzofuran	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	132-64-9	
2,4-Dichlorophenol	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	120-83-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

Sample: FAW-IDW04-110113 **Lab ID: 5089281001** Collected: 11/01/13 13:50 Received: 11/02/13 11:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Diethylphthalate	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	105-67-9	
Dimethylphthalate	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	51.0	25.5	1	11/04/13 10:52	11/04/13 18:35	534-52-1	
2,4-Dinitrophenol	ND	ug/L	51.0	51.0	1	11/04/13 10:52	11/04/13 18:35	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.1	2.6	1	11/04/13 10:52	11/04/13 18:35	117-81-7	
Fluoranthene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	206-44-0	
Fluorene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.1	2.6	1	11/04/13 10:52	11/04/13 18:35	87-68-3	
Hexachlorocyclopentadiene	ND	ug/L	20.4	20.4	1	11/04/13 10:52	11/04/13 18:35	77-47-4	
Hexachloroethane	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	193-39-5	
Isophorone	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.4	10.2	1	11/04/13 10:52	11/04/13 18:35		
Naphthalene	ND	ug/L	5.1	2.6	1	11/04/13 10:52	11/04/13 18:35	91-20-3	
2-Nitroaniline	ND	ug/L	51.0	25.5	1	11/04/13 10:52	11/04/13 18:35	88-74-4	
3-Nitroaniline	ND	ug/L	51.0	25.5	1	11/04/13 10:52	11/04/13 18:35	99-09-2	
4-Nitroaniline	ND	ug/L	51.0	25.5	1	11/04/13 10:52	11/04/13 18:35	100-01-6	
Nitrobenzene	ND	ug/L	5.1	5.1	1	11/04/13 10:52	11/04/13 18:35	98-95-3	
2-Nitrophenol	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	88-75-5	
4-Nitrophenol	ND	ug/L	51.0	51.0	1	11/04/13 10:52	11/04/13 18:35	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	86-30-6	
Phenanthrene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	85-01-8	
Phenol	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	108-95-2	
Pyrene	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	129-00-0	
2,4,5-Trichlorophenol	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.2	5.1	1	11/04/13 10:52	11/04/13 18:35	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	63	%.	29-126		1	11/04/13 10:52	11/04/13 18:35	4165-60-0	
2-Fluorobiphenyl (S)	57	%.	31-118		1	11/04/13 10:52	11/04/13 18:35	321-60-8	
p-Terphenyl-d14 (S)	31	%.	28-129		1	11/04/13 10:52	11/04/13 18:35	1718-51-0	
Phenol-d5 (S)	9	%.	10-47		1	11/04/13 10:52	11/04/13 18:35	4165-62-2	2d
2-Fluorophenol (S)	8	%.	10-67		1	11/04/13 10:52	11/04/13 18:35	367-12-4	2d
2,4,6-Tribromophenol (S)	18	%.	31-161		1	11/04/13 10:52	11/04/13 18:35	118-79-6	2d
8260 MSV	Analytical Method: EPA 8260								
Acetone	ND	ug/L	100	50.0	1		11/13/13 03:02	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/13/13 03:02	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/13/13 03:02	71-43-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

Sample: FAW-IDW04-110113 **Lab ID: 5089281001** Collected: 11/01/13 13:50 Received: 11/02/13 11:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/13/13 03:02	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	98-06-6	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/13/13 03:02	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/13/13 03:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/13/13 03:02	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	50.0	1		11/13/13 03:02	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/13/13 03:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	10061-02-6	
Ethylbenzene	**5.7**	ug/L	5.0	2.5	1		11/13/13 03:02	100-41-4	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/13/13 03:02	97-63-2	
n-Hexane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	12.0	1		11/13/13 03:02	591-78-6	
Iodomethane	ND	ug/L	10.0	5.0	1		11/13/13 03:02	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/13/13 03:02	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	99-87-6	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/13/13 03:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1.0	1		11/13/13 03:02	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	103-65-1	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

Sample: FAW-IDW04-110113 **Lab ID: 5089281001** Collected: 11/01/13 13:50 Received: 11/02/13 11:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/13/13 03:02	127-18-4	
Toluene	**109**	ug/L	5.0	2.5	1		11/13/13 03:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	79-00-5	
Trichloroethene	ND	ug/L	5.0	1.0	1		11/13/13 03:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:02	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:02	108-67-8	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/13/13 03:02	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/13/13 03:02	75-01-4	
Xylene (Total)	**35.4**	ug/L	10.0	5.0	1		11/13/13 03:02	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	98	%.	79-116		1		11/13/13 03:02	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114		1		11/13/13 03:02	460-00-4	
Toluene-d8 (S)	99	%.	81-110		1		11/13/13 03:02	2037-26-5	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

QC Batch: MERP/5011
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 5089281001

METHOD BLANK: 1007418 Matrix: Water
Associated Lab Samples: 5089281001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	2.0	11/06/13 12:58	

LABORATORY CONTROL SAMPLE: 1007419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1007420 1007421

Parameter	Units	5089135001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.9	4.8	99	96	75-125	2	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

QC Batch: MPRP/12375
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 5089281001

METHOD BLANK: 1007414 Matrix: Water
Associated Lab Samples: 5089281001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	11/06/13 09:50	
Barium	ug/L	ND	100	11/06/13 09:50	
Cadmium	ug/L	ND	5.0	11/06/13 09:50	
Chromium	ug/L	ND	10.0	11/06/13 09:50	
Lead	ug/L	ND	10.0	11/06/13 09:50	
Selenium	ug/L	ND	10.0	11/06/13 09:50	
Silver	ug/L	ND	50.0	11/06/13 09:50	

LABORATORY CONTROL SAMPLE: 1007415

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	1020	102	80-120	
Barium	ug/L	1000	1030	103	80-120	
Cadmium	ug/L	1000	994	99	80-120	
Chromium	ug/L	1000	995	100	80-120	
Lead	ug/L	1000	996	100	80-120	
Selenium	ug/L	1000	991	99	80-120	
Silver	ug/L	500	483	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1007416 1007417

Parameter	Units	5089314001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	1000	1000	1060	1060	105	106	75-125	0	20	
Barium	ug/L	ND	1000	1000	1120	1130	106	107	75-125	0	20	
Cadmium	ug/L	ND	1000	1000	1020	1020	102	102	75-125	0	20	
Chromium	ug/L	ND	1000	1000	1020	1020	102	102	75-125	0	20	
Lead	ug/L	ND	1000	1000	1010	1010	101	101	75-125	0	20	
Selenium	ug/L	ND	1000	1000	1020	1030	102	103	75-125	0	20	
Silver	ug/L	ND	500	500	499	502	100	100	75-125	1	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

QC Batch: MSV/59235 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5089281001

METHOD BLANK: 1011321 Matrix: Water
Associated Lab Samples: 5089281001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,1-Dichloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,1-Dichloroethene	ug/L	ND	5.0	11/13/13 00:48	
1,1-Dichloropropene	ug/L	ND	5.0	11/13/13 00:48	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/13/13 00:48	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
1,2-Dichloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,2-Dichloropropane	ug/L	ND	5.0	11/13/13 00:48	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/13/13 00:48	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
1,3-Dichloropropane	ug/L	ND	5.0	11/13/13 00:48	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
2,2-Dichloropropane	ug/L	ND	5.0	11/13/13 00:48	
2-Butanone (MEK)	ug/L	ND	25.0	11/13/13 00:48	
2-Chlorotoluene	ug/L	ND	5.0	11/13/13 00:48	
2-Hexanone	ug/L	ND	25.0	11/13/13 00:48	
4-Chlorotoluene	ug/L	ND	5.0	11/13/13 00:48	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/13/13 00:48	
Acetone	ug/L	ND	100	11/13/13 00:48	
Acrolein	ug/L	ND	50.0	11/13/13 00:48	
Benzene	ug/L	ND	5.0	11/13/13 00:48	
Bromobenzene	ug/L	ND	5.0	11/13/13 00:48	
Bromochloromethane	ug/L	ND	5.0	11/13/13 00:48	
Bromodichloromethane	ug/L	ND	5.0	11/13/13 00:48	
Bromoform	ug/L	ND	5.0	11/13/13 00:48	
Bromomethane	ug/L	ND	5.0	11/13/13 00:48	
Carbon disulfide	ug/L	ND	10.0	11/13/13 00:48	
Carbon tetrachloride	ug/L	ND	5.0	11/13/13 00:48	
Chlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
Chloroethane	ug/L	ND	5.0	11/13/13 00:48	
Chloroform	ug/L	ND	5.0	11/13/13 00:48	
Chloromethane	ug/L	ND	5.0	11/13/13 00:48	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/13/13 00:48	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/13/13 00:48	
Dibromochloromethane	ug/L	ND	5.0	11/13/13 00:48	
Dibromomethane	ug/L	ND	5.0	11/13/13 00:48	
Dichlorodifluoromethane	ug/L	ND	5.0	11/13/13 00:48	
Ethyl methacrylate	ug/L	ND	100	11/13/13 00:48	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

METHOD BLANK: 1011321 Matrix: Water

Associated Lab Samples: 5089281001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	5.0	11/13/13 00:48	
Iodomethane	ug/L	ND	10.0	11/13/13 00:48	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/13/13 00:48	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/13/13 00:48	
Methylene Chloride	ug/L	ND	5.0	11/13/13 00:48	
n-Butylbenzene	ug/L	ND	5.0	11/13/13 00:48	
n-Hexane	ug/L	ND	5.0	11/13/13 00:48	N2
n-Propylbenzene	ug/L	ND	5.0	11/13/13 00:48	
p-Isopropyltoluene	ug/L	ND	5.0	11/13/13 00:48	
sec-Butylbenzene	ug/L	ND	5.0	11/13/13 00:48	
Styrene	ug/L	ND	5.0	11/13/13 00:48	
tert-Butylbenzene	ug/L	ND	5.0	11/13/13 00:48	
Tetrachloroethene	ug/L	ND	5.0	11/13/13 00:48	
Toluene	ug/L	ND	5.0	11/13/13 00:48	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/13/13 00:48	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/13/13 00:48	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/13/13 00:48	
Trichloroethene	ug/L	ND	5.0	11/13/13 00:48	
Trichlorofluoromethane	ug/L	ND	5.0	11/13/13 00:48	
Vinyl acetate	ug/L	ND	50.0	11/13/13 00:48	
Vinyl chloride	ug/L	ND	2.0	11/13/13 00:48	
Xylene (Total)	ug/L	ND	10.0	11/13/13 00:48	
4-Bromofluorobenzene (S)	%.	97	80-114	11/13/13 00:48	
Dibromofluoromethane (S)	%.	96	79-116	11/13/13 00:48	
Toluene-d8 (S)	%.	100	81-110	11/13/13 00:48	

LABORATORY CONTROL SAMPLE: 1011322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.1	94	61-135	
1,1,1-Trichloroethane	ug/L	50	45.1	90	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	57.0	114	66-126	
1,1,2-Trichloroethane	ug/L	50	54.1	108	77-130	
1,1-Dichloroethane	ug/L	50	46.7	93	75-130	
1,1-Dichloroethene	ug/L	50	41.0	82	68-127	
1,1-Dichloropropene	ug/L	50	49.9	100	78-130	
1,2,3-Trichlorobenzene	ug/L	50	50.0	100	70-130	
1,2,4-Trichlorobenzene	ug/L	50	46.6	93	68-131	
1,2,4-Trimethylbenzene	ug/L	50	52.6	105	69-127	
1,2-Dichlorobenzene	ug/L	50	49.8	100	75-123	
1,2-Dichloroethane	ug/L	50	47.2	94	75-128	
1,2-Dichloropropane	ug/L	50	57.8	116	74-121	
1,3,5-Trimethylbenzene	ug/L	50	53.5	107	70-126	
1,3-Dichlorobenzene	ug/L	50	47.9	96	74-122	
1,3-Dichloropropane	ug/L	50	53.8	108	74-123	

REPORT OF LABORATORY ANALYSIS

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Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

LABORATORY CONTROL SAMPLE: 1011322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	47.9	96	76-120	
2,2-Dichloropropane	ug/L	50	41.2	82	50-137	
2-Butanone (MEK)	ug/L	250	313	125	58-139	
2-Chlorotoluene	ug/L	50	52.2	104	74-122	
2-Hexanone	ug/L	250	283	113	54-140	
4-Chlorotoluene	ug/L	50	51.1	102	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	301	120	58-138	
Acetone	ug/L	250	262	105	49-150	
Acrolein	ug/L	1000	1400	140	41-200	
Benzene	ug/L	50	49.4	99	74-122	
Bromobenzene	ug/L	50	49.7	99	72-127	
Bromochloromethane	ug/L	50	54.1	108	63-132	
Bromodichloromethane	ug/L	50	45.7	91	62-136	
Bromoform	ug/L	50	43.0	86	44-134	
Bromomethane	ug/L	50	48.9	98	22-181	
Carbon disulfide	ug/L	100	77.6	78	59-132	
Carbon tetrachloride	ug/L	50	42.8	86	56-137	
Chlorobenzene	ug/L	50	48.1	96	78-123	
Chloroethane	ug/L	50	47.8	96	60-144	
Chloroform	ug/L	50	48.6	97	78-126	
Chloromethane	ug/L	50	43.7	87	42-134	
cis-1,2-Dichloroethene	ug/L	50	50.8	102	75-122	
cis-1,3-Dichloropropene	ug/L	50	48.5	97	64-126	
Dibromochloromethane	ug/L	50	47.2	94	58-128	
Dibromomethane	ug/L	50	50.6	101	73-125	
Dichlorodifluoromethane	ug/L	50	36.0	72	35-181	
Ethyl methacrylate	ug/L	200	212	106	69-133	
Ethylbenzene	ug/L	50	49.7	99	66-133	
Iodomethane	ug/L	100	82.9	83	21-170	
Isopropylbenzene (Cumene)	ug/L	50	52.2	104	69-124	
Methyl-tert-butyl ether	ug/L	100	85.9	86	69-122	
Methylene Chloride	ug/L	50	41.9	84	68-132	
n-Butylbenzene	ug/L	50	52.3	105	70-126	
n-Hexane	ug/L	50	42.1	84	51-125	N2
n-Propylbenzene	ug/L	50	53.2	106	71-122	
p-Isopropyltoluene	ug/L	50	53.3	107	72-132	
sec-Butylbenzene	ug/L	50	54.8	110	70-128	
Styrene	ug/L	50	52.3	105	74-126	
tert-Butylbenzene	ug/L	50	52.3	105	51-118	
Tetrachloroethene	ug/L	50	46.3	93	69-130	
Toluene	ug/L	50	48.8	98	72-122	
trans-1,2-Dichloroethene	ug/L	50	41.7	83	72-124	
trans-1,3-Dichloropropene	ug/L	50	47.1	94	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	198	99	56-133	
Trichloroethene	ug/L	50	47.1	94	76-126	
Trichlorofluoromethane	ug/L	50	42.9	86	76-149	
Vinyl acetate	ug/L	200	223	111	45-151	
Vinyl chloride	ug/L	50	44.9	90	59-126	

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(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

LABORATORY CONTROL SAMPLE: 1011322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	154	103	70-124	
4-Bromofluorobenzene (S)	%.			98	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			99	81-110	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

QC Batch: OEXT/34298
QC Batch Method: EPA 3510
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB Mod
Associated Lab Samples: 5089281001

METHOD BLANK: 1007396 Matrix: Water
Associated Lab Samples: 5089281001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.50	11/05/13 18:46	
Tetrachloro-m-xylene (S)	%.	71	32-115	11/05/13 18:46	

LABORATORY CONTROL SAMPLE: 1007397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.4	89	50-114	
PCB-1260 (Aroclor 1260)	ug/L	5	4.0	80	44-120	
Tetrachloro-m-xylene (S)	%.			77	32-115	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

QC Batch: OEXT/34287
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 Water MSSV
Associated Lab Samples: 5089281001

METHOD BLANK: 1006992
Matrix: Water
Associated Lab Samples: 5089281001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/L	ND	10.0	11/04/13 17:15	
2,4,6-Trichlorophenol	ug/L	ND	10.0	11/04/13 17:15	
2,4-Dichlorophenol	ug/L	ND	10.0	11/04/13 17:15	
2,4-Dimethylphenol	ug/L	ND	10.0	11/04/13 17:15	
2,4-Dinitrophenol	ug/L	ND	50.0	11/04/13 17:15	
2,4-Dinitrotoluene	ug/L	ND	10.0	11/04/13 17:15	
2,6-Dinitrotoluene	ug/L	ND	10.0	11/04/13 17:15	
2-Chloronaphthalene	ug/L	ND	10.0	11/04/13 17:15	
2-Chlorophenol	ug/L	ND	10.0	11/04/13 17:15	
2-Methylnaphthalene	ug/L	ND	10.0	11/04/13 17:15	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	11/04/13 17:15	
2-Nitroaniline	ug/L	ND	50.0	11/04/13 17:15	
2-Nitrophenol	ug/L	ND	10.0	11/04/13 17:15	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	11/04/13 17:15	
3-Nitroaniline	ug/L	ND	50.0	11/04/13 17:15	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	11/04/13 17:15	
4-Bromophenylphenyl ether	ug/L	ND	10.0	11/04/13 17:15	
4-Chloro-3-methylphenol	ug/L	ND	20.0	11/04/13 17:15	
4-Chloroaniline	ug/L	ND	20.0	11/04/13 17:15	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	11/04/13 17:15	
4-Nitroaniline	ug/L	ND	50.0	11/04/13 17:15	
4-Nitrophenol	ug/L	ND	50.0	11/04/13 17:15	
Acenaphthene	ug/L	ND	10.0	11/04/13 17:15	
Acenaphthylene	ug/L	ND	10.0	11/04/13 17:15	
Anthracene	ug/L	ND	10.0	11/04/13 17:15	
Benzo(a)anthracene	ug/L	ND	10.0	11/04/13 17:15	
Benzo(a)pyrene	ug/L	ND	10.0	11/04/13 17:15	
Benzo(b)fluoranthene	ug/L	ND	10.0	11/04/13 17:15	
Benzo(g,h,i)perylene	ug/L	ND	10.0	11/04/13 17:15	
Benzo(k)fluoranthene	ug/L	ND	10.0	11/04/13 17:15	
Benzyl alcohol	ug/L	ND	20.0	11/04/13 17:15	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	11/04/13 17:15	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	11/04/13 17:15	
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	11/04/13 17:15	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	11/04/13 17:15	
Butylbenzylphthalate	ug/L	ND	10.0	11/04/13 17:15	
Chrysene	ug/L	ND	10.0	11/04/13 17:15	
Di-n-butylphthalate	ug/L	ND	10.0	11/04/13 17:15	
Di-n-octylphthalate	ug/L	ND	10.0	11/04/13 17:15	
Dibenz(a,h)anthracene	ug/L	ND	10.0	11/04/13 17:15	
Dibenzofuran	ug/L	ND	10.0	11/04/13 17:15	
Diethylphthalate	ug/L	ND	10.0	11/04/13 17:15	
Dimethylphthalate	ug/L	ND	10.0	11/04/13 17:15	

REPORT OF LABORATORY ANALYSIS

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(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

METHOD BLANK: 1006992 Matrix: Water

Associated Lab Samples: 5089281001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoranthene	ug/L	ND	10.0	11/04/13 17:15	
Fluorene	ug/L	ND	10.0	11/04/13 17:15	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/04/13 17:15	
Hexachlorocyclopentadiene	ug/L	ND	20.0	11/04/13 17:15	
Hexachloroethane	ug/L	ND	10.0	11/04/13 17:15	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	11/04/13 17:15	
Isophorone	ug/L	ND	10.0	11/04/13 17:15	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	11/04/13 17:15	
N-Nitrosodiphenylamine	ug/L	ND	10.0	11/04/13 17:15	
Naphthalene	ug/L	ND	5.0	11/04/13 17:15	
Nitrobenzene	ug/L	ND	5.0	11/04/13 17:15	
Phenanthrene	ug/L	ND	10.0	11/04/13 17:15	
Phenol	ug/L	ND	10.0	11/04/13 17:15	
Pyrene	ug/L	ND	10.0	11/04/13 17:15	
2,4,6-Tribromophenol (S)	%.	88	31-161	11/04/13 17:15	
2-Fluorobiphenyl (S)	%.	76	31-118	11/04/13 17:15	
2-Fluorophenol (S)	%.	38	10-67	11/04/13 17:15	
Nitrobenzene-d5 (S)	%.	73	29-126	11/04/13 17:15	
p-Terphenyl-d14 (S)	%.	105	28-129	11/04/13 17:15	
Phenol-d5 (S)	%.	19	10-47	11/04/13 17:15	

LABORATORY CONTROL SAMPLE: 1006993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/L	100	76.9	77	36-126	
2-Chlorophenol	ug/L	100	55.7	56	40-98	
2-Methylnaphthalene	ug/L	100	60.0	60	36-111	
4-Chloro-3-methylphenol	ug/L	100	61.3	61	43-113	
4-Nitrophenol	ug/L	100	ND	25	10-42	
Acenaphthene	ug/L	100	66.9	67	45-119	
Acenaphthylene	ug/L	100	69.8	70	46-120	
Anthracene	ug/L	100	77.1	77	50-129	
Benzo(a)anthracene	ug/L	100	82.4	82	54-126	
Benzo(a)pyrene	ug/L	100	83.7	84	59-129	
Benzo(b)fluoranthene	ug/L	100	77.0	77	53-127	
Benzo(g,h,i)perylene	ug/L	100	86.2	86	53-125	
Benzo(k)fluoranthene	ug/L	100	74.5	74	54-125	
Chrysene	ug/L	100	80.9	81	51-123	
Dibenz(a,h)anthracene	ug/L	100	88.4	88	52-125	
Fluoranthene	ug/L	100	82.1	82	51-127	
Fluorene	ug/L	100	71.8	72	46-124	
Indeno(1,2,3-cd)pyrene	ug/L	100	64.1	64	54-125	
N-Nitroso-di-n-propylamine	ug/L	100	62.6	63	43-120	
Naphthalene	ug/L	100	59.5	60	39-108	
Phenanthrene	ug/L	100	75.7	76	49-124	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

LABORATORY CONTROL SAMPLE: 1006993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenol	ug/L	100	19.9	20	10-37	
Pyrene	ug/L	100	82.1	82	51-127	
2,4,6-Tribromophenol (S)	%.			82	31-161	
2-Fluorobiphenyl (S)	%.			64	31-118	
2-Fluorophenol (S)	%.			38	10-67	
Nitrobenzene-d5 (S)	%.			70	29-126	
p-Terphenyl-d14 (S)	%.			98	28-129	
Phenol-d5 (S)	%.			23	10-47	

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Low surrogate recovery confirmed as a matrix effect by sample re-extraction and analysis (in-hold, analyzed 11/08/2013 GCS8 14:51.) DT 11-08-2013
2d	Surrogate recovery is below control limits. The sample could not be re-extracted within holding time. Compounds associated with this surrogate may be biased low. KES 11-11-13
N2	The lab does not hold TNI accreditation for this parameter.

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METHOD CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

Parameter	Matrix	Analytical Method	Preparation Method
6010 MET ICP	Water	SW-846 6010B	SW-846 3010A
7470 Mercury	Water	SW-846 7470A	SW-846 7470A
8082 GCS PCB	Water	SW-846 8082	SW-846 3510C
8260 MSV	Water	SW-846 8260B	SW-846 5030B
8270 MSSV Semivolatile Organic	Water	SW-846 8270C	SW-846 3510C

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089281

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089281001	**FAW-IDW04-110113**	EPA 3510	OEXT/34298	EPA 8082	GCSV/11689
5089281001	**FAW-IDW04-110113**	EPA 3010	MPRP/12375	EPA 6010	ICP/13715
5089281001	**FAW-IDW04-110113**	EPA 7470	MERP/5011	EPA 7470	MERC/5347
5089281001	**FAW-IDW04-110113**	EPA 3510	OEXT/34287	EPA 8270	MSSV/13868
5089281001	**FAW-IDW04-110113**	EPA 8260	MSV/59235		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

✓ TMS

Page: 1 of 1

1607050

Section A Required Client Information:

Company: Weston Solutions
Address: 711 E Monument Ave
Dayton, OH 45402
Email To: laura.funk@westonsolutions.com
Phone: 937-531-4402 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: laura.funk@westonsolutions.com
Copy To:
Purchase Order No.:
Project Name: FAW
Project Number: 20405.016.008.2234.00

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER Ohio VAP

Site Location STATE: OH

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	VOC	SVOC	PCB	Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FAW-IDW04-110113	WT		11/1/13	1350				8	4		1	3						X	X	X	X		5089281 -001
2	FAW-TB11-110113	WT																	X					-002
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

Cancel per Laura Funk 11/5/13

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature] / Weston	11/1/13	1550	[signature]	11/1/13	1550	2.7°C	Y	Y	Y

WIFE
110213@1138 CW ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ryan Green
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 11/1/2013

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Client Name: Weston Solutions Project # 502928 1

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 7970 1634 6 4741

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Date/Time 5035A kits placed in freezer: _____

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used: 1 2 3 4 6 A B C D E Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable): 2.7c Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 11/02/13 CW

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes ☑No ☐N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	10.
Trip Blank Present:	☑Yes ☐No ☐N/A	11.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	12.
Sufficient Volume:	☑Yes ☐No ☐N/A	13.
Correct Containers Used:	☑Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Laura Funk Date/Time: 11/5/13 email

Comments/ Resolution:

Cannot ;B on this project.

Project Manager Review: Kenneth Hunt **Date:** 11/6/13

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: Weston Solutions

COC PAGE 1 of 1
COC ID# 1607050

Project # 9058881

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1	3	4							1							
2	1															
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

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November 14, 2013

Ms. Laura Funk
Weston Solutions
711 East Monument Ave
Dayton, OH 45402

RE: Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

Dear Ms. Funk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5089283001	**FAW-MW02b(2-4)-110113EB**	Water	11/01/13 11:00	11/02/13 11:46

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5089283001	**FAW-MW02b(2-4)-110113EB**	EPA 8082	DMT	8	PASI-I
		EPA 6010	FRW, LLB	16	PASI-I
		EPA 7470	LLB	1	PASI-I
		EPA 8270 by SIM	CEM	19	PASI-I
		EPA 8270	KES	43	PASI-I
		EPA 8260	GRM	68	PASI-I

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

Sample: FAW-MW02b(2-4)-110113EB **Lab ID: 5089283001** Collected: 11/01/13 11:00 Received: 11/02/13 11:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.53	0.27	1	11/05/13 10:55	11/05/13 19:16	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.53	0.27	1	11/05/13 10:55	11/05/13 19:16	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.53	0.27	1	11/05/13 10:55	11/05/13 19:16	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.53	0.27	1	11/05/13 10:55	11/05/13 19:16	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.53	0.27	1	11/05/13 10:55	11/05/13 19:16	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.53	0.27	1	11/05/13 10:55	11/05/13 19:16	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.53	0.27	1	11/05/13 10:55	11/05/13 19:16	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	73	%.	32-115		1	11/05/13 10:55	11/05/13 19:16	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Aluminum	ND	ug/L	1000	500	1	11/05/13 08:12	11/06/13 10:07	7429-90-5	
Antimony	ND	ug/L	6.0	4.1	1	11/05/13 08:12	11/06/13 10:07	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:07	7440-38-2	
Barium	ND	ug/L	100	10.0	1	11/05/13 08:12	11/06/13 10:07	7440-39-3	
Beryllium	ND	ug/L	4.0	2.0	1	11/05/13 08:12	11/06/13 10:07	7440-41-7	
Cadmium	ND	ug/L	5.0	2.5	1	11/05/13 08:12	11/06/13 10:07	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:07	7440-47-3	
Cobalt	ND	ug/L	50.0	25.0	1	11/05/13 08:12	11/06/13 10:07	7440-48-4	
Copper	ND	ug/L	20.0	10.0	1	11/05/13 08:12	11/06/13 10:07	7440-50-8	
Lead	**8.6J**	ug/L	10.0	4.0	1	11/05/13 08:12	11/06/13 10:07	7439-92-1	
Nickel	ND	ug/L	50.0	10.0	1	11/05/13 08:12	11/06/13 10:07	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	11/05/13 08:12	11/06/13 10:07	7782-49-2	
Silver	ND	ug/L	50.0	25.0	1	11/05/13 08:12	11/06/13 10:07	7440-22-4	
Thallium	ND	ug/L	2.0	2.0	1	11/09/13 14:26	11/11/13 13:40	7440-28-0	
Vanadium	ND	ug/L	50.0	25.0	1	11/05/13 08:12	11/06/13 10:07	7440-62-2	
Zinc	ND	ug/L	50.0	20.0	1	11/05/13 08:12	11/06/13 10:07	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1.0	1	11/05/13 10:15	11/06/13 13:52	7439-97-6	
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	83-32-9	
Acenaphthylene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	208-96-8	
Anthracene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	207-08-9	
Chrysene	ND	ug/L	0.51	0.25	1	11/04/13 10:52	11/05/13 03:40	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	53-70-3	
Fluoranthene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	206-44-0	
Fluorene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.051	1	11/04/13 10:52	11/05/13 03:40	193-39-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

Sample: FAW-MW02b(2-4)-110113EB **Lab ID: 5089283001** Collected: 11/01/13 11:00 Received: 11/02/13 11:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
2-Methylnaphthalene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	91-57-6	
Naphthalene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	91-20-3	
Phenanthrene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	85-01-8	
Pyrene	ND	ug/L	1.0	0.51	1	11/04/13 10:52	11/05/13 03:40	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	82	%.	21-114		1	11/04/13 10:52	11/05/13 03:40	321-60-8	
p-Terphenyl-d14 (S)	96	%.	25-131		1	11/04/13 10:52	11/05/13 03:40	1718-51-0	
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzyl alcohol	ND	ug/L	20.2	10.1	1	11/04/13 10:52	11/04/13 19:56	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.2	10.1	1	11/04/13 10:52	11/04/13 19:56	59-50-7	
4-Chloroaniline	ND	ug/L	20.2	10.1	1	11/04/13 10:52	11/04/13 19:56	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.1	3.4	1	11/04/13 10:52	11/04/13 19:56	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	91-58-7	
2-Chlorophenol	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	7005-72-3	
Dibenzofuran	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	132-64-9	
2,4-Dichlorophenol	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	120-83-2	
Diethylphthalate	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	105-67-9	
Dimethylphthalate	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.5	25.3	1	11/04/13 10:52	11/04/13 19:56	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.5	50.5	1	11/04/13 10:52	11/04/13 19:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.1	2.5	1	11/04/13 10:52	11/04/13 19:56	117-81-7	
Hexachlorocyclopentadiene	ND	ug/L	20.2	20.2	1	11/04/13 10:52	11/04/13 19:56	77-47-4	
Hexachloroethane	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	67-72-1	
Isophorone	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.2	10.1	1	11/04/13 10:52	11/04/13 19:56		
2-Nitroaniline	ND	ug/L	50.5	25.3	1	11/04/13 10:52	11/04/13 19:56	88-74-4	
3-Nitroaniline	ND	ug/L	50.5	25.3	1	11/04/13 10:52	11/04/13 19:56	99-09-2	
4-Nitroaniline	ND	ug/L	50.5	25.3	1	11/04/13 10:52	11/04/13 19:56	100-01-6	
Nitrobenzene	ND	ug/L	5.1	5.1	1	11/04/13 10:52	11/04/13 19:56	98-95-3	
2-Nitrophenol	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	88-75-5	
4-Nitrophenol	ND	ug/L	50.5	50.5	1	11/04/13 10:52	11/04/13 19:56	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	86-30-6	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

Sample: FAW-MW02b(2-4)-110113EB **Lab ID: 5089283001** Collected: 11/01/13 11:00 Received: 11/02/13 11:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Phenol	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.1	5.1	1	11/04/13 10:52	11/04/13 19:56	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	77	%.	29-126		1	11/04/13 10:52	11/04/13 19:56	4165-60-0	
Phenol-d5 (S)	16	%.	10-47		1	11/04/13 10:52	11/04/13 19:56	4165-62-2	
2-Fluorophenol (S)	35	%.	10-67		1	11/04/13 10:52	11/04/13 19:56	367-12-4	
2,4,6-Tribromophenol (S)	97	%.	31-161		1	11/04/13 10:52	11/04/13 19:56	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/13/13 03:35	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/13/13 03:35	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/13/13 03:35	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/13/13 03:35	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/13/13 03:35	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/13/13 03:35	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/13/13 03:35	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/13/13 03:35	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/13/13 03:35	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-00-3	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

Sample: FAW-MW02b(2-4)-110113EB **Lab ID: 5089283001** Collected: 11/01/13 11:00 Received: 11/02/13 11:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chloroform	ND	ug/L	5.0	2.5	1		11/13/13 03:35	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/13/13 03:35	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/13/13 03:35	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/13/13 03:35	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	1.0	1		11/13/13 03:35	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-09-2	
Styrene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/13/13 03:35	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.0	1		11/13/13 03:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/13/13 03:35	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/13/13 03:35	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/13/13 03:35	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/13/13 03:35	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 03:35	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	50.0	1		11/13/13 03:35	110-57-6	
Surrogates									
Dibromofluoromethane (S)	99	%.	79-116		1		11/13/13 03:35	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114		1		11/13/13 03:35	460-00-4	
Toluene-d8 (S)	98	%.	81-110		1		11/13/13 03:35	2037-26-5	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

QC Batch: MERP/5011 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 5089283001

METHOD BLANK: 1007418 Matrix: Water
Associated Lab Samples: 5089283001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	2.0	11/06/13 12:58	

LABORATORY CONTROL SAMPLE: 1007419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1007420 1007421

Parameter	Units	5089135001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.9	4.8	99	96	75-125	2	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

QC Batch: MPRP/12375
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 5089283001

METHOD BLANK: 1007414 Matrix: Water
Associated Lab Samples: 5089283001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	1000	11/06/13 09:50	
Antimony	ug/L	ND	6.0	11/06/13 09:50	
Arsenic	ug/L	ND	10.0	11/06/13 09:50	
Barium	ug/L	ND	100	11/06/13 09:50	
Beryllium	ug/L	ND	4.0	11/06/13 09:50	
Cadmium	ug/L	ND	5.0	11/06/13 09:50	
Chromium	ug/L	ND	10.0	11/06/13 09:50	
Cobalt	ug/L	ND	50.0	11/06/13 09:50	
Copper	ug/L	ND	20.0	11/06/13 09:50	
Lead	ug/L	ND	10.0	11/06/13 09:50	
Nickel	ug/L	ND	50.0	11/06/13 09:50	
Selenium	ug/L	ND	10.0	11/06/13 09:50	
Silver	ug/L	ND	50.0	11/06/13 09:50	
Vanadium	ug/L	ND	50.0	11/06/13 09:50	
Zinc	ug/L	ND	50.0	11/06/13 09:50	

LABORATORY CONTROL SAMPLE: 1007415

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10100	101	80-120	
Antimony	ug/L	1000	1010	101	80-120	
Arsenic	ug/L	1000	1020	102	80-120	
Barium	ug/L	1000	1030	103	80-120	
Beryllium	ug/L	1000	983	98	80-120	
Cadmium	ug/L	1000	994	99	80-120	
Chromium	ug/L	1000	995	100	80-120	
Cobalt	ug/L	1000	1010	101	80-120	
Copper	ug/L	1000	998	100	80-120	
Lead	ug/L	1000	996	100	80-120	
Nickel	ug/L	1000	1010	101	80-120	
Selenium	ug/L	1000	991	99	80-120	
Silver	ug/L	500	483	97	80-120	
Vanadium	ug/L	1000	1040	104	80-120	
Zinc	ug/L	1000	977	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1007416 1007417

Parameter	Units	5089314001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	10700	10800	106	106	75-125	0	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1007416 1007417

Parameter	Units	5089314001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	1000	1000	1040	1040	104	104	75-125	0	20	
Arsenic	ug/L	ND	1000	1000	1060	1060	105	106	75-125	0	20	
Barium	ug/L	ND	1000	1000	1120	1130	106	107	75-125	0	20	
Beryllium	ug/L	ND	1000	1000	1010	1020	101	102	75-125	0	20	
Cadmium	ug/L	ND	1000	1000	1020	1020	102	102	75-125	0	20	
Chromium	ug/L	ND	1000	1000	1020	1020	102	102	75-125	0	20	
Cobalt	ug/L	ND	1000	1000	1010	1010	101	101	75-125	0	20	
Copper	ug/L	ND	1000	1000	1030	1040	103	103	75-125	0	20	
Lead	ug/L	ND	1000	1000	1010	1010	101	101	75-125	0	20	
Nickel	ug/L	ND	1000	1000	1020	1020	101	102	75-125	0	20	
Selenium	ug/L	ND	1000	1000	1020	1030	102	103	75-125	0	20	
Silver	ug/L	ND	500	500	499	502	100	100	75-125	1	20	
Vanadium	ug/L	ND	1000	1000	1070	1070	107	106	75-125	0	20	
Zinc	ug/L	ND	1000	1000	980	984	98	98	75-125	0	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

QC Batch: MPRP/12414 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 5089283001

METHOD BLANK: 1010490 Matrix: Water
Associated Lab Samples: 5089283001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Thallium	ug/L	ND	2.0	11/11/13 13:23	

LABORATORY CONTROL SAMPLE: 1010491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	200	181	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010492 1010493

Parameter	Units	5089354001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Thallium	ug/L	ND	200	200	175	178	88	89	75-125	1	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

QC Batch: MSV/59235
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 5089283001

METHOD BLANK: 1011321
Matrix: Water
Associated Lab Samples: 5089283001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,1-Dichloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,1-Dichloroethene	ug/L	ND	5.0	11/13/13 00:48	
1,1-Dichloropropene	ug/L	ND	5.0	11/13/13 00:48	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/13/13 00:48	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
1,2-Dichloroethane	ug/L	ND	5.0	11/13/13 00:48	
1,2-Dichloropropane	ug/L	ND	5.0	11/13/13 00:48	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/13/13 00:48	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
1,3-Dichloropropane	ug/L	ND	5.0	11/13/13 00:48	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
2,2-Dichloropropane	ug/L	ND	5.0	11/13/13 00:48	
2-Butanone (MEK)	ug/L	ND	25.0	11/13/13 00:48	
2-Chlorotoluene	ug/L	ND	5.0	11/13/13 00:48	
2-Hexanone	ug/L	ND	25.0	11/13/13 00:48	
4-Chlorotoluene	ug/L	ND	5.0	11/13/13 00:48	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/13/13 00:48	
Acetone	ug/L	ND	100	11/13/13 00:48	
Acrolein	ug/L	ND	50.0	11/13/13 00:48	
Benzene	ug/L	ND	5.0	11/13/13 00:48	
Bromobenzene	ug/L	ND	5.0	11/13/13 00:48	
Bromochloromethane	ug/L	ND	5.0	11/13/13 00:48	
Bromodichloromethane	ug/L	ND	5.0	11/13/13 00:48	
Bromoform	ug/L	ND	5.0	11/13/13 00:48	
Bromomethane	ug/L	ND	5.0	11/13/13 00:48	
Carbon disulfide	ug/L	ND	10.0	11/13/13 00:48	
Carbon tetrachloride	ug/L	ND	5.0	11/13/13 00:48	
Chlorobenzene	ug/L	ND	5.0	11/13/13 00:48	
Chloroethane	ug/L	ND	5.0	11/13/13 00:48	
Chloroform	ug/L	ND	5.0	11/13/13 00:48	
Chloromethane	ug/L	ND	5.0	11/13/13 00:48	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/13/13 00:48	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/13/13 00:48	
Dibromochloromethane	ug/L	ND	5.0	11/13/13 00:48	
Dibromomethane	ug/L	ND	5.0	11/13/13 00:48	
Dichlorodifluoromethane	ug/L	ND	5.0	11/13/13 00:48	
Ethyl methacrylate	ug/L	ND	100	11/13/13 00:48	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

METHOD BLANK: 1011321 Matrix: Water

Associated Lab Samples: 5089283001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	5.0	11/13/13 00:48	
Iodomethane	ug/L	ND	10.0	11/13/13 00:48	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/13/13 00:48	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/13/13 00:48	
Methylene Chloride	ug/L	ND	5.0	11/13/13 00:48	
n-Butylbenzene	ug/L	ND	5.0	11/13/13 00:48	
n-Hexane	ug/L	ND	5.0	11/13/13 00:48	N2
n-Propylbenzene	ug/L	ND	5.0	11/13/13 00:48	
p-Isopropyltoluene	ug/L	ND	5.0	11/13/13 00:48	
sec-Butylbenzene	ug/L	ND	5.0	11/13/13 00:48	
Styrene	ug/L	ND	5.0	11/13/13 00:48	
tert-Butylbenzene	ug/L	ND	5.0	11/13/13 00:48	
Tetrachloroethene	ug/L	ND	5.0	11/13/13 00:48	
Toluene	ug/L	ND	5.0	11/13/13 00:48	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/13/13 00:48	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/13/13 00:48	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/13/13 00:48	
Trichloroethene	ug/L	ND	5.0	11/13/13 00:48	
Trichlorofluoromethane	ug/L	ND	5.0	11/13/13 00:48	
Vinyl acetate	ug/L	ND	50.0	11/13/13 00:48	
Vinyl chloride	ug/L	ND	2.0	11/13/13 00:48	
Xylene (Total)	ug/L	ND	10.0	11/13/13 00:48	
4-Bromofluorobenzene (S)	%.	97	80-114	11/13/13 00:48	
Dibromofluoromethane (S)	%.	96	79-116	11/13/13 00:48	
Toluene-d8 (S)	%.	100	81-110	11/13/13 00:48	

LABORATORY CONTROL SAMPLE: 1011322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.1	94	61-135	
1,1,1-Trichloroethane	ug/L	50	45.1	90	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	57.0	114	66-126	
1,1,2-Trichloroethane	ug/L	50	54.1	108	77-130	
1,1-Dichloroethane	ug/L	50	46.7	93	75-130	
1,1-Dichloroethene	ug/L	50	41.0	82	68-127	
1,1-Dichloropropene	ug/L	50	49.9	100	78-130	
1,2,3-Trichlorobenzene	ug/L	50	50.0	100	70-130	
1,2,4-Trichlorobenzene	ug/L	50	46.6	93	68-131	
1,2,4-Trimethylbenzene	ug/L	50	52.6	105	69-127	
1,2-Dichlorobenzene	ug/L	50	49.8	100	75-123	
1,2-Dichloroethane	ug/L	50	47.2	94	75-128	
1,2-Dichloropropane	ug/L	50	57.8	116	74-121	
1,3,5-Trimethylbenzene	ug/L	50	53.5	107	70-126	
1,3-Dichlorobenzene	ug/L	50	47.9	96	74-122	
1,3-Dichloropropane	ug/L	50	53.8	108	74-123	

REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

LABORATORY CONTROL SAMPLE: 1011322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	47.9	96	76-120	
2,2-Dichloropropane	ug/L	50	41.2	82	50-137	
2-Butanone (MEK)	ug/L	250	313	125	58-139	
2-Chlorotoluene	ug/L	50	52.2	104	74-122	
2-Hexanone	ug/L	250	283	113	54-140	
4-Chlorotoluene	ug/L	50	51.1	102	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	301	120	58-138	
Acetone	ug/L	250	262	105	49-150	
Acrolein	ug/L	1000	1400	140	41-200	
Benzene	ug/L	50	49.4	99	74-122	
Bromobenzene	ug/L	50	49.7	99	72-127	
Bromochloromethane	ug/L	50	54.1	108	63-132	
Bromodichloromethane	ug/L	50	45.7	91	62-136	
Bromoform	ug/L	50	43.0	86	44-134	
Bromomethane	ug/L	50	48.9	98	22-181	
Carbon disulfide	ug/L	100	77.6	78	59-132	
Carbon tetrachloride	ug/L	50	42.8	86	56-137	
Chlorobenzene	ug/L	50	48.1	96	78-123	
Chloroethane	ug/L	50	47.8	96	60-144	
Chloroform	ug/L	50	48.6	97	78-126	
Chloromethane	ug/L	50	43.7	87	42-134	
cis-1,2-Dichloroethene	ug/L	50	50.8	102	75-122	
cis-1,3-Dichloropropene	ug/L	50	48.5	97	64-126	
Dibromochloromethane	ug/L	50	47.2	94	58-128	
Dibromomethane	ug/L	50	50.6	101	73-125	
Dichlorodifluoromethane	ug/L	50	36.0	72	35-181	
Ethyl methacrylate	ug/L	200	212	106	69-133	
Ethylbenzene	ug/L	50	49.7	99	66-133	
Iodomethane	ug/L	100	82.9	83	21-170	
Isopropylbenzene (Cumene)	ug/L	50	52.2	104	69-124	
Methyl-tert-butyl ether	ug/L	100	85.9	86	69-122	
Methylene Chloride	ug/L	50	41.9	84	68-132	
n-Butylbenzene	ug/L	50	52.3	105	70-126	
n-Hexane	ug/L	50	42.1	84	51-125	N2
n-Propylbenzene	ug/L	50	53.2	106	71-122	
p-Isopropyltoluene	ug/L	50	53.3	107	72-132	
sec-Butylbenzene	ug/L	50	54.8	110	70-128	
Styrene	ug/L	50	52.3	105	74-126	
tert-Butylbenzene	ug/L	50	52.3	105	51-118	
Tetrachloroethene	ug/L	50	46.3	93	69-130	
Toluene	ug/L	50	48.8	98	72-122	
trans-1,2-Dichloroethene	ug/L	50	41.7	83	72-124	
trans-1,3-Dichloropropene	ug/L	50	47.1	94	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	198	99	56-133	
Trichloroethene	ug/L	50	47.1	94	76-126	
Trichlorofluoromethane	ug/L	50	42.9	86	76-149	
Vinyl acetate	ug/L	200	223	111	45-151	
Vinyl chloride	ug/L	50	44.9	90	59-126	

REPORT OF LABORATORY ANALYSIS

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(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

LABORATORY CONTROL SAMPLE: 1011322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	154	103	70-124	
4-Bromofluorobenzene (S)	%.			98	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			99	81-110	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

QC Batch: OEXT/34298
QC Batch Method: EPA 3510
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB Mod
Associated Lab Samples: 5089283001

METHOD BLANK: 1007396
Matrix: Water
Associated Lab Samples: 5089283001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.50	11/05/13 18:46	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.50	11/05/13 18:46	
Tetrachloro-m-xylene (S)	%.	71	32-115	11/05/13 18:46	

LABORATORY CONTROL SAMPLE: 1007397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.4	89	50-114	
PCB-1260 (Aroclor 1260)	ug/L	5	4.0	80	44-120	
Tetrachloro-m-xylene (S)	%.			77	32-115	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

QC Batch: OEXT/34286
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAH
Associated Lab Samples: 5089283001

METHOD BLANK: 1006981 Matrix: Water
Associated Lab Samples: 5089283001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2-Methylnaphthalene	ug/L	ND	1.0	11/05/13 02:46	
Acenaphthene	ug/L	ND	1.0	11/05/13 02:46	
Acenaphthylene	ug/L	ND	1.0	11/05/13 02:46	
Anthracene	ug/L	ND	0.10	11/05/13 02:46	
Benzo(a)anthracene	ug/L	ND	0.10	11/05/13 02:46	
Benzo(a)pyrene	ug/L	ND	0.10	11/05/13 02:46	
Benzo(b)fluoranthene	ug/L	ND	0.10	11/05/13 02:46	
Benzo(g,h,i)perylene	ug/L	ND	0.10	11/05/13 02:46	
Benzo(k)fluoranthene	ug/L	ND	0.10	11/05/13 02:46	
Chrysene	ug/L	ND	0.50	11/05/13 02:46	
Dibenz(a,h)anthracene	ug/L	ND	0.10	11/05/13 02:46	
Fluoranthene	ug/L	ND	1.0	11/05/13 02:46	
Fluorene	ug/L	ND	1.0	11/05/13 02:46	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	11/05/13 02:46	
Naphthalene	ug/L	ND	1.0	11/05/13 02:46	
Phenanthrene	ug/L	ND	1.0	11/05/13 02:46	
Pyrene	ug/L	ND	1.0	11/05/13 02:46	
2-Fluorobiphenyl (S)	%.	88	21-114	11/05/13 02:46	
p-Terphenyl-d14 (S)	%.	108	25-131	11/05/13 02:46	

LABORATORY CONTROL SAMPLE: 1006982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	ug/L	10	7.4	74	29-110	
Acenaphthene	ug/L	10	8.4	84	39-117	
Acenaphthylene	ug/L	10	8.6	86	40-120	
Anthracene	ug/L	10	9.1	91	48-126	
Benzo(a)anthracene	ug/L	10	9.8	98	51-134	
Benzo(a)pyrene	ug/L	10	9.5	95	48-141	
Benzo(b)fluoranthene	ug/L	10	9.9	99	49-139	
Benzo(g,h,i)perylene	ug/L	10	9.5	95	44-134	
Benzo(k)fluoranthene	ug/L	10	9.4	94	48-140	
Chrysene	ug/L	10	10.0	100	53-136	
Dibenz(a,h)anthracene	ug/L	10	9.8	98	44-132	
Fluoranthene	ug/L	10	9.5	95	50-135	
Fluorene	ug/L	10	8.6	86	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	9.7	97	45-132	
Naphthalene	ug/L	10	8.0	80	30-112	
Phenanthrene	ug/L	10	9.3	93	47-128	
Pyrene	ug/L	10	9.6	96	50-134	
2-Fluorobiphenyl (S)	%.			82	21-114	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

LABORATORY CONTROL SAMPLE: 1006982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Terphenyl-d14 (S)	%.			102	25-131	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

QC Batch: OEXT/34285
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 Water Scan
Associated Lab Samples: 5089283001

METHOD BLANK: 1006969
Matrix: Water
Associated Lab Samples: 5089283001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/L	ND	10.0	11/04/13 18:55	
2,4,6-Trichlorophenol	ug/L	ND	10.0	11/04/13 18:55	
2,4-Dichlorophenol	ug/L	ND	10.0	11/04/13 18:55	
2,4-Dimethylphenol	ug/L	ND	10.0	11/04/13 18:55	
2,4-Dinitrophenol	ug/L	ND	50.0	11/04/13 18:55	
2,4-Dinitrotoluene	ug/L	ND	10.0	11/04/13 18:55	
2,6-Dinitrotoluene	ug/L	ND	10.0	11/04/13 18:55	
2-Chloronaphthalene	ug/L	ND	10.0	11/04/13 18:55	
2-Chlorophenol	ug/L	ND	10.0	11/04/13 18:55	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	11/04/13 18:55	
2-Nitroaniline	ug/L	ND	50.0	11/04/13 18:55	
2-Nitrophenol	ug/L	ND	10.0	11/04/13 18:55	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	11/04/13 18:55	
3-Nitroaniline	ug/L	ND	50.0	11/04/13 18:55	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	11/04/13 18:55	
4-Bromophenylphenyl ether	ug/L	ND	10.0	11/04/13 18:55	
4-Chloro-3-methylphenol	ug/L	ND	20.0	11/04/13 18:55	
4-Chloroaniline	ug/L	ND	20.0	11/04/13 18:55	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	11/04/13 18:55	
4-Nitroaniline	ug/L	ND	50.0	11/04/13 18:55	
4-Nitrophenol	ug/L	ND	50.0	11/04/13 18:55	
Benzyl alcohol	ug/L	ND	20.0	11/04/13 18:55	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	11/04/13 18:55	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	11/04/13 18:55	
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	11/04/13 18:55	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	11/04/13 18:55	
Butylbenzylphthalate	ug/L	ND	10.0	11/04/13 18:55	
Di-n-butylphthalate	ug/L	ND	10.0	11/04/13 18:55	
Di-n-octylphthalate	ug/L	ND	10.0	11/04/13 18:55	
Dibenzofuran	ug/L	ND	10.0	11/04/13 18:55	
Diethylphthalate	ug/L	ND	10.0	11/04/13 18:55	
Dimethylphthalate	ug/L	ND	10.0	11/04/13 18:55	
Hexachlorocyclopentadiene	ug/L	ND	20.0	11/04/13 18:55	
Hexachloroethane	ug/L	ND	10.0	11/04/13 18:55	
Isophorone	ug/L	ND	10.0	11/04/13 18:55	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	11/04/13 18:55	
N-Nitrosodiphenylamine	ug/L	ND	10.0	11/04/13 18:55	
Nitrobenzene	ug/L	ND	5.0	11/04/13 18:55	
Phenol	ug/L	ND	10.0	11/04/13 18:55	
2,4,6-Tribromophenol (S)	%.	86	31-161	11/04/13 18:55	
2-Fluorophenol (S)	%.	33	10-67	11/04/13 18:55	
Nitrobenzene-d5 (S)	%.	69	29-126	11/04/13 18:55	
Phenol-d5 (S)	%.	16	10-47	11/04/13 18:55	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

LABORATORY CONTROL SAMPLE: 1006970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/L	100	80.6	81	36-126	
2-Chlorophenol	ug/L	100	56.8	57	40-98	
4-Chloro-3-methylphenol	ug/L	100	60.8	61	43-113	
4-Nitrophenol	ug/L	100	ND	21	10-42	
N-Nitroso-di-n-propylamine	ug/L	100	66.9	67	43-120	
Phenol	ug/L	100	18.5	18	10-37	
2,4,6-Tribromophenol (S)	%.			97	31-161	
2-Fluorophenol (S)	%.			37	10-67	
Nitrobenzene-d5 (S)	%.			77	29-126	
Phenol-d5 (S)	%.			19	10-47	

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

N2	The lab does not hold TNI accreditation for this parameter.

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METHOD CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

Parameter	Matrix	Analytical Method	Preparation Method
6010 MET ICP	Water	SW-846 6010B	SW-846 3010A
7470 Mercury	Water	SW-846 7470A	SW-846 7470A
8082 GCS PCB	Water	SW-846 8082	SW-846 3510C
8260 MSV	Water	SW-846 8260B	SW-846 5030B
8270 MSSV PAH	Water	SW-846 8270C	SW-846 3510C
8270 MSSV SCAN	Water	SW-846 8270C	SW-846 3510C

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089283

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089283001	**FAW-MW02b(2-4)-110113EB**	EPA 3510	OEXT/34298	EPA 8082	GCSV/11689
5089283001	**FAW-MW02b(2-4)-110113EB**	EPA 3010	MPRP/12375	EPA 6010	ICP/13715
5089283001	**FAW-MW02b(2-4)-110113EB**	EPA 3010	MPRP/12414	EPA 6010	ICP/13763
5089283001	**FAW-MW02b(2-4)-110113EB**	EPA 7470	MERP/5011	EPA 7470	MERC/5347
5089283001	**FAW-MW02b(2-4)-110113EB**	EPA 3510	OEXT/34286	EPA 8270 by SIM	MSSV/13857
5089283001	**FAW-MW02b(2-4)-110113EB**	EPA 3510	OEXT/34285	EPA 8270	MSSV/13867
5089283001	**FAW-MW02b(2-4)-110113EB**	EPA 8260	MSV/59235		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1737121

Section A Required Client Information:

Company: Weston Solutions
Address: 711 E Monument Ave
Dayton, OH 45402
Email To: laura.funk@westonsolutions.com
Phone: 937-531-4402 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: laura.funk@westonsolutions.com
Copy To:
Purchase Order No.:
Project Name: FAW
Project Number: 20405.016.008.2234.00

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER Ohio VAP

Site Location STATE: OH

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	VOC	SVOC/SIM	PCB	Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FAW-MW02b(2-4)-110113EB	WT	G	11/1/13	1100	—	—		8	4		1	3						X	X	X	X		5089283 -001
2	FAW-TB10-110113	WT							1				1						X				Cancel per Laura Funk 11/5/13	-002
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Metals: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Ag, Ni, Se, Ag, Tl, V, Zn	[signature] / Weston	11/1/13	1550	[signature]	11/1/13	1550	1.8°C	Y	Y	Y

Wet FE
110213 @ 1146 CW

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ryan Green
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 11/1/2013

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Client Name: Weston Solutions Project # 508983

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 7970 6346 4730

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Date/Time 5035A kits placed in freezer: _____

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used 1 2 3 4 6 A B C D E **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 1.8c **Ice Visible in Sample Containers:** ☐ yes ☑ no

(Corrected, if applicable)

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: 110213 CW

Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	6.
Containers Intact:	☑Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☑No	☐N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	10.
Trip Blank Present:	☑Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	12.
Sufficient Volume:	☑Yes	☐No	☐N/A	13.
Correct Containers Used:	☑Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Laura Funk Date/Time: 11/5/13 email

Comments/ Resolution:

Cancel TB on This project.

Project Manager Review: Kenneth Hunt **Date:** 11/12/13

Sample Container Count

CLIENT: Weston Solutions

COC PAGE 1 of 1
COC ID# 1737121

Project # 5089283

Sample Line Item

Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1	3	4							1							
2	1															
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

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(317)875-5894

November 16, 2013

Ms. Laura Funk
Weston Solutions
711 East Monument Ave
Dayton, OH 45402

RE: Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Dear Ms. Funk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 05, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5089354001	**FAW-MW01-110413**	Water	11/04/13 12:55	11/05/13 10:47
5089354002	**FAW-TB13-110413**	Water	11/04/13 08:00	11/05/13 10:47
5089354003	**FAW-MW02-110413**	Water	11/04/13 14:37	11/05/13 10:47
5089354004	**FAW-MW02-110413D**	Water	11/04/13 14:37	11/05/13 10:47

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5089354001	**FAW-MW01-110413**	EPA 6010	LLB	16	PASI-I
		EPA 7470	LLB	1	PASI-I
		EPA 8270 by SIM	CEM	19	PASI-I
		EPA 8270	KES	43	PASI-I
		EPA 8260	RSW	68	PASI-I
5089354002	**FAW-TB13-110413**	EPA 8260	RSW	68	PASI-I
5089354003	**FAW-MW02-110413**	EPA 6010	LLB	16	PASI-I
		EPA 7470	LLB	1	PASI-I
		EPA 8270 by SIM	CEM	19	PASI-I
		EPA 8270	KES	43	PASI-I
		EPA 8260	RSW	68	PASI-I
5089354004	**FAW-MW02-110413D**	EPA 6010	LLB	16	PASI-I
		EPA 7470	LLB	1	PASI-I
		EPA 8270 by SIM	CEM	19	PASI-I
		EPA 8270	KES	43	PASI-I
		EPA 8260	RSW	68	PASI-I

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW01-110413 **Lab ID: 5089354001** Collected: 11/04/13 12:55 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Aluminum	ND	ug/L	1000	500	1	11/07/13 14:30	11/08/13 11:12	7429-90-5	
Antimony	**4.0J**	ug/L	6.0	3.0	1	11/07/13 14:30	11/08/13 11:12	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:12	7440-38-2	
Barium	**71.8J**	ug/L	100	10.0	1	11/07/13 14:30	11/08/13 11:12	7440-39-3	
Beryllium	ND	ug/L	4.0	2.0	1	11/07/13 14:30	11/08/13 11:12	7440-41-7	
Cadmium	ND	ug/L	5.0	2.5	1	11/07/13 14:30	11/08/13 11:12	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:12	7440-47-3	
Cobalt	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:12	7440-48-4	
Copper	ND	ug/L	20.0	10.0	1	11/07/13 14:30	11/08/13 11:12	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	11/07/13 14:30	11/08/13 11:12	7439-92-1	
Nickel	ND	ug/L	50.0	10.0	1	11/07/13 14:30	11/08/13 11:12	7440-02-0	
Selenium	**5.2J**	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:12	7782-49-2	
Silver	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:12	7440-22-4	
Thallium	ND	ug/L	2.0	5.0	1	11/09/13 14:26	11/11/13 13:42	7440-28-0	
Vanadium	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:12	7440-62-2	
Zinc	ND	ug/L	50.0	20.0	1	11/07/13 14:30	11/08/13 11:12	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1.0	1	11/07/13 10:09	11/08/13 15:35	7439-97-6	
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	83-32-9	
Acenaphthylene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	208-96-8	
Anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	207-08-9	
Chrysene	ND	ug/L	0.52	0.26	1	11/06/13 11:40	11/06/13 20:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	53-70-3	
Fluoranthene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	206-44-0	
Fluorene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:12	193-39-5	
2-Methylnaphthalene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	91-57-6	
Naphthalene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	91-20-3	
Phenanthrene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	85-01-8	
Pyrene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	80	%.	21-114		1	11/06/13 11:40	11/06/13 20:12	321-60-8	
p-Terphenyl-d14 (S)	98	%.	25-131		1	11/06/13 11:40	11/06/13 20:12	1718-51-0	
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzyl alcohol	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 03:49	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	85-68-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW01-110413 **Lab ID: 5089354001** Collected: 11/04/13 12:55 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Chloro-3-methylphenol	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 03:49	59-50-7	
4-Chloroaniline	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 03:49	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.2	3.5	1	11/06/13 11:40	11/07/13 03:49	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	91-58-7	
2-Chlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	7005-72-3	
Dibenzofuran	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	132-64-9	
2,4-Dichlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	120-83-2	
Diethylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	105-67-9	
Dimethylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 03:49	534-52-1	
2,4-Dinitrophenol	ND	ug/L	52.1	52.1	1	11/06/13 11:40	11/07/13 03:49	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	2.6	1	11/06/13 11:40	11/07/13 03:49	117-81-7	
Hexachlorocyclopentadiene	ND	ug/L	20.8	20.8	1	11/06/13 11:40	11/07/13 03:49	77-47-4	
Hexachloroethane	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	67-72-1	
Isophorone	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 03:49		
2-Nitroaniline	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 03:49	88-74-4	
3-Nitroaniline	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 03:49	99-09-2	
4-Nitroaniline	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 03:49	100-01-6	
Nitrobenzene	ND	ug/L	5.2	5.2	1	11/06/13 11:40	11/07/13 03:49	98-95-3	
2-Nitrophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	88-75-5	
4-Nitrophenol	ND	ug/L	52.1	52.1	1	11/06/13 11:40	11/07/13 03:49	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	86-30-6	
Phenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	108-95-2	1d
2,4,5-Trichlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 03:49	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	65	%.	29-126		1	11/06/13 11:40	11/07/13 03:49	4165-60-0	
Phenol-d5 (S)	13	%.	10-47		1	11/06/13 11:40	11/07/13 03:49	4165-62-2	
2-Fluorophenol (S)	26	%.	10-67		1	11/06/13 11:40	11/07/13 03:49	367-12-4	
2,4,6-Tribromophenol (S)	84	%.	31-161		1	11/06/13 11:40	11/07/13 03:49	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	79-34-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW01-110413 **Lab ID: 5089354001** Collected: 11/04/13 12:55 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/13 20:10	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/13 20:10	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/13 20:10	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/13 20:10	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/12/13 20:10	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/12/13 20:10	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/12/13 20:10	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/13 20:10	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/13 20:10	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/12/13 20:10	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/12/13 20:10	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/12/13 20:10	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/13 20:10	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/13 20:10	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-09-2	
Styrene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/13 20:10	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	108-88-3	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW01-110413 **Lab ID: 5089354001** Collected: 11/04/13 12:55 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/13 20:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/12/13 20:10	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/13 20:10	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/13 20:10	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/12/13 20:10	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 20:10	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/12/13 20:10	110-57-6	
Surrogates									
Dibromofluoromethane (S)	98	%.	79-116		1		11/12/13 20:10	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114		1		11/12/13 20:10	460-00-4	
Toluene-d8 (S)	98	%.	81-110		1		11/12/13 20:10	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-TB13-110413 **Lab ID: 5089354002** Collected: 11/04/13 08:00 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/13 18:01	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/13 18:01	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/13 18:01	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/13 18:01	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/12/13 18:01	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/12/13 18:01	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/12/13 18:01	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/13 18:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/13 18:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/12/13 18:01	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/12/13 18:01	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/12/13 18:01	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/13 18:01	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/13 18:01	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-TB13-110413 **Lab ID: 5089354002** Collected: 11/04/13 08:00 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/13 18:01	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/13 18:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/12/13 18:01	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/13 18:01	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/13 18:01	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/12/13 18:01	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 18:01	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/12/13 18:01	110-57-6	
Surrogates									
Dibromofluoromethane (S)	98	%.	79-116		1		11/12/13 18:01	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114		1		11/12/13 18:01	460-00-4	
Toluene-d8 (S)	99	%.	81-110		1		11/12/13 18:01	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413 **Lab ID: 5089354003** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Aluminum	ND	ug/L	1000	500	1	11/07/13 14:30	11/08/13 11:14	7429-90-5	
Antimony	ND	ug/L	6.0	3.0	1	11/07/13 14:30	11/08/13 11:14	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:14	7440-38-2	
Barium	**70.0J**	ug/L	100	10.0	1	11/07/13 14:30	11/08/13 11:14	7440-39-3	
Beryllium	ND	ug/L	4.0	2.0	1	11/07/13 14:30	11/08/13 11:14	7440-41-7	
Cadmium	ND	ug/L	5.0	2.5	1	11/07/13 14:30	11/08/13 11:14	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:14	7440-47-3	
Cobalt	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:14	7440-48-4	
Copper	ND	ug/L	20.0	10.0	1	11/07/13 14:30	11/08/13 11:14	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	11/07/13 14:30	11/08/13 11:14	7439-92-1	
Nickel	ND	ug/L	50.0	10.0	1	11/07/13 14:30	11/08/13 11:14	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:14	7782-49-2	
Silver	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:14	7440-22-4	
Thallium	ND	ug/L	2.0	5.0	1	11/09/13 14:26	11/11/13 13:48	7440-28-0	
Vanadium	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:14	7440-62-2	
Zinc	ND	ug/L	50.0	20.0	1	11/07/13 14:30	11/08/13 11:14	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1.0	1	11/07/13 10:09	11/08/13 15:37	7439-97-6	
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	83-32-9	
Acenaphthylene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	208-96-8	
Anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	207-08-9	
Chrysene	ND	ug/L	0.52	0.26	1	11/06/13 11:40	11/06/13 20:30	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	53-70-3	
Fluoranthene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	206-44-0	
Fluorene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:30	193-39-5	
2-Methylnaphthalene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	91-57-6	
Naphthalene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	91-20-3	
Phenanthrene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	85-01-8	
Pyrene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:30	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%.	21-114		1	11/06/13 11:40	11/06/13 20:30	321-60-8	
p-Terphenyl-d14 (S)	82	%.	25-131		1	11/06/13 11:40	11/06/13 20:30	1718-51-0	
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzyl alcohol	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 11:11	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	85-68-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413 **Lab ID: 5089354003** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Chloro-3-methylphenol	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 11:11	59-50-7	
4-Chloroaniline	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 11:11	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.2	3.5	1	11/06/13 11:40	11/07/13 11:11	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	91-58-7	
2-Chlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	7005-72-3	
Dibenzofuran	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	132-64-9	
2,4-Dichlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	120-83-2	
Diethylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	105-67-9	
Dimethylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 11:11	534-52-1	
2,4-Dinitrophenol	ND	ug/L	52.1	52.1	1	11/06/13 11:40	11/07/13 11:11	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	2.6	1	11/06/13 11:40	11/07/13 11:11	117-81-7	
Hexachlorocyclopentadiene	ND	ug/L	20.8	20.8	1	11/06/13 11:40	11/07/13 11:11	77-47-4	
Hexachloroethane	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	67-72-1	
Isophorone	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.8	10.4	1	11/06/13 11:40	11/07/13 11:11		
2-Nitroaniline	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 11:11	88-74-4	
3-Nitroaniline	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 11:11	99-09-2	
4-Nitroaniline	ND	ug/L	52.1	26.0	1	11/06/13 11:40	11/07/13 11:11	100-01-6	
Nitrobenzene	ND	ug/L	5.2	5.2	1	11/06/13 11:40	11/07/13 11:11	98-95-3	
2-Nitrophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	88-75-5	
4-Nitrophenol	ND	ug/L	52.1	52.1	1	11/06/13 11:40	11/07/13 11:11	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	86-30-6	
Phenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	108-95-2	1d
2,4,5-Trichlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.4	5.2	1	11/06/13 11:40	11/07/13 11:11	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	68	%.	29-126		1	11/06/13 11:40	11/07/13 11:11	4165-60-0	
Phenol-d5 (S)	14	%.	10-47		1	11/06/13 11:40	11/07/13 11:11	4165-62-2	
2-Fluorophenol (S)	27	%.	10-67		1	11/06/13 11:40	11/07/13 11:11	367-12-4	
2,4,6-Tribromophenol (S)	81	%.	31-161		1	11/06/13 11:40	11/07/13 11:11	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	79-34-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413 **Lab ID: 5089354003** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/13 20:42	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/13 20:42	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/13 20:42	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/13 20:42	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/12/13 20:42	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/12/13 20:42	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/12/13 20:42	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/13 20:42	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/13 20:42	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/12/13 20:42	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/12/13 20:42	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/12/13 20:42	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/13 20:42	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/13 20:42	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-09-2	
Styrene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/13 20:42	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	108-88-3	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413 **Lab ID: 5089354003** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/13 20:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/12/13 20:42	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/13 20:42	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/13 20:42	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/12/13 20:42	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 20:42	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/12/13 20:42	110-57-6	
Surrogates									
Dibromofluoromethane (S)	98	%.	79-116		1		11/12/13 20:42	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114		1		11/12/13 20:42	460-00-4	
Toluene-d8 (S)	98	%.	81-110		1		11/12/13 20:42	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413D **Lab ID: 5089354004** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Aluminum	ND	ug/L	1000	500	1	11/07/13 14:30	11/08/13 11:16	7429-90-5	
Antimony	ND	ug/L	6.0	3.0	1	11/07/13 14:30	11/08/13 11:16	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:16	7440-38-2	
Barium	**67.9J**	ug/L	100	10.0	1	11/07/13 14:30	11/08/13 11:16	7440-39-3	
Beryllium	ND	ug/L	4.0	2.0	1	11/07/13 14:30	11/08/13 11:16	7440-41-7	
Cadmium	ND	ug/L	5.0	2.5	1	11/07/13 14:30	11/08/13 11:16	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:16	7440-47-3	
Cobalt	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:16	7440-48-4	
Copper	ND	ug/L	20.0	10.0	1	11/07/13 14:30	11/08/13 11:16	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	11/07/13 14:30	11/08/13 11:16	7439-92-1	
Nickel	ND	ug/L	50.0	10.0	1	11/07/13 14:30	11/08/13 11:16	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/08/13 11:16	7782-49-2	
Silver	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:16	7440-22-4	
Thallium	ND	ug/L	2.0	5.0	1	11/09/13 14:26	11/11/13 13:50	7440-28-0	
Vanadium	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/08/13 11:16	7440-62-2	
Zinc	ND	ug/L	50.0	20.0	1	11/07/13 14:30	11/08/13 11:16	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1.0	1	11/07/13 10:09	11/08/13 15:39	7439-97-6	
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	83-32-9	
Acenaphthylene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	208-96-8	
Anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	207-08-9	
Chrysene	ND	ug/L	0.52	0.26	1	11/06/13 11:40	11/06/13 20:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	53-70-3	
Fluoranthene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	206-44-0	
Fluorene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.052	1	11/06/13 11:40	11/06/13 20:48	193-39-5	
2-Methylnaphthalene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	91-57-6	
Naphthalene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	91-20-3	
Phenanthrene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	85-01-8	
Pyrene	ND	ug/L	1.0	0.52	1	11/06/13 11:40	11/06/13 20:48	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	82	%.	21-114		1	11/06/13 11:40	11/06/13 20:48	321-60-8	
p-Terphenyl-d14 (S)	87	%.	25-131		1	11/06/13 11:40	11/06/13 20:48	1718-51-0	
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzyl alcohol	ND	ug/L	20.6	10.3	1	11/06/13 11:40	11/07/13 10:31	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	85-68-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413D **Lab ID: 5089354004** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Chloro-3-methylphenol	ND	ug/L	20.6	10.3	1	11/06/13 11:40	11/07/13 10:31	59-50-7	
4-Chloroaniline	ND	ug/L	20.6	10.3	1	11/06/13 11:40	11/07/13 10:31	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.2	3.5	1	11/06/13 11:40	11/07/13 10:31	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	91-58-7	
2-Chlorophenol	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	7005-72-3	
Dibenzofuran	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	132-64-9	
2,4-Dichlorophenol	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	120-83-2	
Diethylphthalate	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	105-67-9	
Dimethylphthalate	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	51.5	25.8	1	11/06/13 11:40	11/07/13 10:31	534-52-1	
2,4-Dinitrophenol	ND	ug/L	51.5	51.5	1	11/06/13 11:40	11/07/13 10:31	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	2.6	1	11/06/13 11:40	11/07/13 10:31	117-81-7	
Hexachlorocyclopentadiene	ND	ug/L	20.6	20.6	1	11/06/13 11:40	11/07/13 10:31	77-47-4	
Hexachloroethane	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	67-72-1	
Isophorone	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.6	10.3	1	11/06/13 11:40	11/07/13 10:31		
2-Nitroaniline	ND	ug/L	51.5	25.8	1	11/06/13 11:40	11/07/13 10:31	88-74-4	
3-Nitroaniline	ND	ug/L	51.5	25.8	1	11/06/13 11:40	11/07/13 10:31	99-09-2	
4-Nitroaniline	ND	ug/L	51.5	25.8	1	11/06/13 11:40	11/07/13 10:31	100-01-6	
Nitrobenzene	ND	ug/L	5.2	5.2	1	11/06/13 11:40	11/07/13 10:31	98-95-3	
2-Nitrophenol	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	88-75-5	
4-Nitrophenol	ND	ug/L	51.5	51.5	1	11/06/13 11:40	11/07/13 10:31	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	86-30-6	
Phenol	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	108-95-2	1d
2,4,5-Trichlorophenol	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.3	5.2	1	11/06/13 11:40	11/07/13 10:31	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%.	29-126		1	11/06/13 11:40	11/07/13 10:31	4165-60-0	
Phenol-d5 (S)	16	%.	10-47		1	11/06/13 11:40	11/07/13 10:31	4165-62-2	
2-Fluorophenol (S)	31	%.	10-67		1	11/06/13 11:40	11/07/13 10:31	367-12-4	
2,4,6-Tribromophenol (S)	91	%.	31-161		1	11/06/13 11:40	11/07/13 10:31	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	79-34-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413D **Lab ID: 5089354004** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	120-82-1	
1,2,4-Trimethylbenzene	**2.9J**	ug/L	5.0	2.5	1		11/12/13 21:15	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/12/13 21:15	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/12/13 21:15	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/12/13 21:15	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/12/13 21:15	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/12/13 21:15	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/12/13 21:15	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/12/13 21:15	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/12/13 21:15	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/12/13 21:15	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/12/13 21:15	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/12/13 21:15	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/12/13 21:15	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/12/13 21:15	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/12/13 21:15	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-09-2	
Styrene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/12/13 21:15	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	108-88-3	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Sample: FAW-MW02-110413D **Lab ID: 5089354004** Collected: 11/04/13 14:37 Received: 11/05/13 10:47 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Trichloroethene	ND	ug/L	5.0	1.0	1		11/12/13 21:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/12/13 21:15	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/12/13 21:15	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/12/13 21:15	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/12/13 21:15	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/12/13 21:15	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/12/13 21:15	110-57-6	
Surrogates									
Dibromofluoromethane (S)	95	%.	79-116		1		11/12/13 21:15	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	80-114		1		11/12/13 21:15	460-00-4	
Toluene-d8 (S)	99	%.	81-110		1		11/12/13 21:15	2037-26-5	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

QC Batch: MERP/5015 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 5089354001, 5089354003, 5089354004

METHOD BLANK: 1008102 Matrix: Water
Associated Lab Samples: 5089354001, 5089354003, 5089354004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	2.0	11/08/13 14:56	

LABORATORY CONTROL SAMPLE: 1008103

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1008104 1008105

Parameter	Units	5089316018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.0	4.9	100	97	75-125	2	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

QC Batch: MPRP/12393 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 5089354001, 5089354003, 5089354004

METHOD BLANK: 1008613 Matrix: Water
Associated Lab Samples: 5089354001, 5089354003, 5089354004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	1000	11/08/13 11:08	
Antimony	ug/L	ND	6.0	11/08/13 11:08	
Arsenic	ug/L	ND	10.0	11/08/13 11:08	
Barium	ug/L	ND	100	11/08/13 11:08	
Beryllium	ug/L	ND	4.0	11/08/13 11:08	
Cadmium	ug/L	ND	5.0	11/08/13 11:08	
Chromium	ug/L	ND	10.0	11/08/13 11:08	
Cobalt	ug/L	ND	50.0	11/08/13 11:08	
Copper	ug/L	ND	20.0	11/08/13 11:08	
Lead	ug/L	ND	10.0	11/08/13 11:08	
Nickel	ug/L	ND	50.0	11/08/13 11:08	
Selenium	ug/L	ND	10.0	11/08/13 11:08	
Silver	ug/L	ND	50.0	11/08/13 11:08	
Vanadium	ug/L	ND	50.0	11/08/13 11:08	
Zinc	ug/L	ND	50.0	11/08/13 11:08	

LABORATORY CONTROL SAMPLE: 1008614

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10200	102	80-120	
Antimony	ug/L	1000	1040	104	80-120	
Arsenic	ug/L	1000	1050	105	80-120	
Barium	ug/L	1000	1060	106	80-120	
Beryllium	ug/L	1000	1020	102	80-120	
Cadmium	ug/L	1000	1000	100	80-120	
Chromium	ug/L	1000	1020	102	80-120	
Cobalt	ug/L	1000	1030	103	80-120	
Copper	ug/L	1000	1030	103	80-120	
Lead	ug/L	1000	987	99	80-120	
Nickel	ug/L	1000	1020	102	80-120	
Selenium	ug/L	1000	1020	102	80-120	
Silver	ug/L	500	493	99	80-120	
Vanadium	ug/L	1000	1040	104	80-120	
Zinc	ug/L	1000	973	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1008615 1008616

Parameter	Units	5089409001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	ND	10000	10000	10500	10500	98	98	75-125	0	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1008615 1008616

Parameter	Units	5089409001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	1000	1000	1030	1030	102	103	75-125	0	20	
Arsenic	ug/L	94.7	1000	1000	1090	1090	100	100	75-125	0	20	
Barium	ug/L	126	1000	1000	1350	1160	123	104	75-125	15	20	
Beryllium	ug/L	ND	1000	1000	1180	1020	118	102	75-125	15	20	
Cadmium	ug/L	ND	1000	1000	1010	1020	101	102	75-125	1	20	
Chromium	ug/L	ND	1000	1000	975	977	97	97	75-125	0	20	
Cobalt	ug/L	ND	1000	1000	1000	1010	100	101	75-125	1	20	
Copper	ug/L	20.7	1000	1000	1020	1030	100	101	75-125	1	20	
Lead	ug/L	ND	1000	1000	966	975	96	97	75-125	1	20	
Nickel	ug/L	ND	1000	1000	995	1000	99	100	75-125	1	20	
Selenium	ug/L	ND	1000	1000	994	1000	99	100	75-125	1	20	
Silver	ug/L	ND	500	500	326	343	65	69	75-125	5	20	M3
Vanadium	ug/L	ND	1000	1000	1040	1050	102	103	75-125	1	20	
Zinc	ug/L	84.2	1000	1000	989	989	91	91	75-125	0	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

QC Batch: MPRP/12414 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 5089354001, 5089354003, 5089354004

METHOD BLANK: 1010490 Matrix: Water
Associated Lab Samples: 5089354001, 5089354003, 5089354004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Thallium	ug/L	ND	2.0	11/11/13 13:23	

LABORATORY CONTROL SAMPLE: 1010491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	200	181	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010492 1010493

Parameter	Units	5089354001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Thallium	ug/L	ND	200	200	175	178	88	89	75-125	1	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

QC Batch: MSV/59266 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5089354001, 5089354002, 5089354003, 5089354004

METHOD BLANK: 1011510 Matrix: Water
Associated Lab Samples: 5089354001, 5089354002, 5089354003, 5089354004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/12/13 14:48	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/12/13 14:48	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/12/13 14:48	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/12/13 14:48	
1,1-Dichloroethane	ug/L	ND	5.0	11/12/13 14:48	
1,1-Dichloroethene	ug/L	ND	5.0	11/12/13 14:48	
1,1-Dichloropropene	ug/L	ND	5.0	11/12/13 14:48	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/12/13 14:48	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/12/13 14:48	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/12/13 14:48	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/12/13 14:48	
1,2-Dichloroethane	ug/L	ND	5.0	11/12/13 14:48	
1,2-Dichloropropane	ug/L	ND	5.0	11/12/13 14:48	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/12/13 14:48	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/12/13 14:48	
1,3-Dichloropropane	ug/L	ND	5.0	11/12/13 14:48	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/12/13 14:48	
2,2-Dichloropropane	ug/L	ND	5.0	11/12/13 14:48	
2-Butanone (MEK)	ug/L	ND	25.0	11/12/13 14:48	
2-Chlorotoluene	ug/L	ND	5.0	11/12/13 14:48	
2-Hexanone	ug/L	ND	25.0	11/12/13 14:48	
4-Chlorotoluene	ug/L	ND	5.0	11/12/13 14:48	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/12/13 14:48	
Acetone	ug/L	ND	100	11/12/13 14:48	
Acrolein	ug/L	ND	50.0	11/12/13 14:48	
Benzene	ug/L	ND	5.0	11/12/13 14:48	
Bromobenzene	ug/L	ND	5.0	11/12/13 14:48	
Bromochloromethane	ug/L	ND	5.0	11/12/13 14:48	
Bromodichloromethane	ug/L	ND	5.0	11/12/13 14:48	
Bromoform	ug/L	ND	5.0	11/12/13 14:48	
Bromomethane	ug/L	ND	5.0	11/12/13 14:48	
Carbon disulfide	ug/L	ND	10.0	11/12/13 14:48	
Carbon tetrachloride	ug/L	ND	5.0	11/12/13 14:48	
Chlorobenzene	ug/L	ND	5.0	11/12/13 14:48	
Chloroethane	ug/L	ND	5.0	11/12/13 14:48	
Chloroform	ug/L	ND	5.0	11/12/13 14:48	
Chloromethane	ug/L	ND	5.0	11/12/13 14:48	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/12/13 14:48	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/12/13 14:48	
Dibromochloromethane	ug/L	ND	5.0	11/12/13 14:48	
Dibromomethane	ug/L	ND	5.0	11/12/13 14:48	
Dichlorodifluoromethane	ug/L	ND	5.0	11/12/13 14:48	
Ethyl methacrylate	ug/L	ND	100	11/12/13 14:48	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

METHOD BLANK: 1011510 Matrix: Water

Associated Lab Samples: 5089354001, 5089354002, 5089354003, 5089354004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	5.0	11/12/13 14:48	
Iodomethane	ug/L	ND	10.0	11/12/13 14:48	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/12/13 14:48	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/12/13 14:48	
Methylene Chloride	ug/L	2.5J	5.0	11/12/13 14:48	
n-Butylbenzene	ug/L	ND	5.0	11/12/13 14:48	
n-Hexane	ug/L	ND	5.0	11/12/13 14:48	N2
n-Propylbenzene	ug/L	ND	5.0	11/12/13 14:48	
p-Isopropyltoluene	ug/L	ND	5.0	11/12/13 14:48	
sec-Butylbenzene	ug/L	ND	5.0	11/12/13 14:48	
Styrene	ug/L	ND	5.0	11/12/13 14:48	
tert-Butylbenzene	ug/L	ND	5.0	11/12/13 14:48	
Tetrachloroethene	ug/L	ND	5.0	11/12/13 14:48	
Toluene	ug/L	ND	5.0	11/12/13 14:48	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/12/13 14:48	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/12/13 14:48	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/12/13 14:48	
Trichloroethene	ug/L	ND	5.0	11/12/13 14:48	
Trichlorofluoromethane	ug/L	ND	5.0	11/12/13 14:48	
Vinyl acetate	ug/L	ND	50.0	11/12/13 14:48	
Vinyl chloride	ug/L	ND	2.0	11/12/13 14:48	
Xylene (Total)	ug/L	ND	10.0	11/12/13 14:48	
4-Bromofluorobenzene (S)	%.	101	80-114	11/12/13 14:48	
Dibromofluoromethane (S)	%.	98	79-116	11/12/13 14:48	
Toluene-d8 (S)	%.	102	81-110	11/12/13 14:48	

LABORATORY CONTROL SAMPLE: 1011511

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	42.5	85	61-135	
1,1,1-Trichloroethane	ug/L	50	45.6	91	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	44.6	89	66-126	
1,1,2-Trichloroethane	ug/L	50	47.5	95	77-130	
1,1-Dichloroethane	ug/L	50	48.9	98	75-130	
1,1-Dichloroethene	ug/L	50	45.5	91	68-127	
1,1-Dichloropropene	ug/L	50	51.6	103	78-130	
1,2,3-Trichlorobenzene	ug/L	50	43.5	87	70-130	
1,2,4-Trichlorobenzene	ug/L	50	42.8	86	68-131	
1,2,4-Trimethylbenzene	ug/L	50	47.0	94	69-127	
1,2-Dichlorobenzene	ug/L	50	46.7	93	75-123	
1,2-Dichloroethane	ug/L	50	46.9	94	75-128	
1,2-Dichloropropane	ug/L	50	52.5	105	74-121	
1,3,5-Trimethylbenzene	ug/L	50	48.3	97	70-126	
1,3-Dichlorobenzene	ug/L	50	46.4	93	74-122	
1,3-Dichloropropane	ug/L	50	48.5	97	74-123	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

LABORATORY CONTROL SAMPLE: 1011511

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	44.9	90	76-120	
2,2-Dichloropropane	ug/L	50	42.2	84	50-137	
2-Butanone (MEK)	ug/L	250	270	108	58-139	
2-Chlorotoluene	ug/L	50	44.7	89	74-122	
2-Hexanone	ug/L	250	269	107	54-140	
4-Chlorotoluene	ug/L	50	48.6	97	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	259	103	58-138	
Acetone	ug/L	250	302	121	49-150	
Acrolein	ug/L	1000	853	85	41-200	
Benzene	ug/L	50	45.4	91	74-122	
Bromobenzene	ug/L	50	46.5	93	72-127	
Bromochloromethane	ug/L	50	46.3	93	63-132	
Bromodichloromethane	ug/L	50	45.8	92	62-136	
Bromoform	ug/L	50	41.5	83	44-134	
Bromomethane	ug/L	50	135	270	22-181	L3
Carbon disulfide	ug/L	100	93.4	93	59-132	
Carbon tetrachloride	ug/L	50	41.6	83	56-137	
Chlorobenzene	ug/L	50	46.2	92	78-123	
Chloroethane	ug/L	50	42.0	84	60-144	
Chloroform	ug/L	50	47.2	94	78-126	
Chloromethane	ug/L	50	49.9	100	42-134	
cis-1,2-Dichloroethene	ug/L	50	47.8	96	75-122	
cis-1,3-Dichloropropene	ug/L	50	46.0	92	64-126	
Dibromochloromethane	ug/L	50	44.9	90	58-128	
Dibromomethane	ug/L	50	49.5	99	73-125	
Dichlorodifluoromethane	ug/L	50	52.8	106	35-181	
Ethyl methacrylate	ug/L	200	202	101	69-133	
Ethylbenzene	ug/L	50	47.3	95	66-133	
Iodomethane	ug/L	100	82.8	83	21-170	
Isopropylbenzene (Cumene)	ug/L	50	51.2	102	69-124	
Methyl-tert-butyl ether	ug/L	100	107	107	69-122	
Methylene Chloride	ug/L	50	52.7	105	68-132	
n-Butylbenzene	ug/L	50	52.5	105	70-126	
n-Hexane	ug/L	50	53.1	106	51-125	N2
n-Propylbenzene	ug/L	50	46.7	93	71-122	
p-Isopropyltoluene	ug/L	50	49.9	100	72-132	
sec-Butylbenzene	ug/L	50	48.8	98	70-128	
Styrene	ug/L	50	52.5	105	74-126	
tert-Butylbenzene	ug/L	50	41.2	82	51-118	
Tetrachloroethene	ug/L	50	47.1	94	69-130	
Toluene	ug/L	50	45.0	90	72-122	
trans-1,2-Dichloroethene	ug/L	50	47.5	95	72-124	
trans-1,3-Dichloropropene	ug/L	50	46.9	94	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	206	103	56-133	
Trichloroethene	ug/L	50	46.6	93	76-126	
Trichlorofluoromethane	ug/L	50	49.9	100	76-149	
Vinyl acetate	ug/L	200	244	122	45-151	
Vinyl chloride	ug/L	50	52.4	105	59-126	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

LABORATORY CONTROL SAMPLE: 1011511

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	147	98	70-124	
4-Bromofluorobenzene (S)	%.			101	80-114	
Dibromofluoromethane (S)	%.			103	79-116	
Toluene-d8 (S)	%.			99	81-110	

MATRIX SPIKE SAMPLE: 1011512

Parameter	Units	5089344001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	26.8	54	50-132	
1,1,1-Trichloroethane	ug/L	ND	50	30.2	60	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	30.0	60	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	31.3	63	61-139	
1,1-Dichloroethane	ug/L	ND	50	34.1	68	57-147	
1,1-Dichloroethene	ug/L	ND	50	33.7	67	55-145	
1,1-Dichloropropene	ug/L	ND	50	37.2	74	55-147	
1,2,3-Trichlorobenzene	ug/L	ND	50	28.5	57	31-141	
1,2,4-Trichlorobenzene	ug/L	ND	50	27.8	56	25-143	
1,2,4-Trimethylbenzene	ug/L	ND	50	32.3	65	18-149	
1,2-Dichlorobenzene	ug/L	ND	50	31.8	64	38-136	
1,2-Dichloroethane	ug/L	ND	50	31.4	63	62-138	
1,2-Dichloropropane	ug/L	ND	50	35.8	72	59-130	
1,3,5-Trimethylbenzene	ug/L	ND	50	34.9	70	20-147	
1,3-Dichlorobenzene	ug/L	ND	50	31.8	64	28-141	
1,3-Dichloropropane	ug/L	ND	50	32.4	65	62-127	
1,4-Dichlorobenzene	ug/L	ND	50	30.9	62	30-139	
2,2-Dichloropropane	ug/L	ND	50	24.5	49	37-139	
2-Butanone (MEK)	ug/L	ND	250	168	67	37-156	
2-Chlorotoluene	ug/L	ND	50	32.4	65	27-142	
2-Hexanone	ug/L	ND	250	170	68	44-143	
4-Chlorotoluene	ug/L	ND	50	33.4	67	27-144	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	169	68	46-144	
Acetone	ug/L	ND	250	172	69	39-156	
Acrolein	ug/L	ND	1000	804	80	33-200	
Benzene	ug/L	ND	50	32.4	65	62-129	
Bromobenzene	ug/L	ND	50	30.9	62	39-140	
Bromochloromethane	ug/L	ND	50	32.2	64	49-142	
Bromodichloromethane	ug/L	ND	50	30.3	61	50-142	
Bromoform	ug/L	ND	50	26.2	52	36-125	
Bromomethane	ug/L	ND	50	122	244	13-179	M0
Carbon disulfide	ug/L	ND	100	68.2	68	45-142	
Carbon tetrachloride	ug/L	ND	50	27.1	54	46-142	
Chlorobenzene	ug/L	ND	50	31.6	63	49-136	
Chloroethane	ug/L	ND	50	31.3	63	47-160	
Chloroform	ug/L	ND	50	33.4	67	54-150	
Chloromethane	ug/L	ND	50	37.0	72	30-148	
cis-1,2-Dichloroethene	ug/L	ND	50	33.5	67	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	27.2	54	52-123	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

MATRIX SPIKE SAMPLE: 1011512

Parameter	Units	5089344001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	ND	50	28.0	56	48-125	
Dibromomethane	ug/L	ND	50	33.3	67	59-134	
Dichlorodifluoromethane	ug/L	ND	50	40.7	81	24-197	
Ethyl methacrylate	ug/L	ND	200	131	65	55-139	
Ethylbenzene	ug/L	ND	50	33.0	66	28-153	
Iodomethane	ug/L	ND	100	47.9	48	17-157	
Isopropylbenzene (Cumene)	ug/L	ND	50	35.5	71	18-152	
Methyl-tert-butyl ether	ug/L	ND	100	64.2	64	63-130	
Methylene Chloride	ug/L	ND	50	34.3	69	45-156	
n-Butylbenzene	ug/L	ND	50	37.6	75	10-161	
n-Hexane	ug/L	ND	50	38.2	76	33-144	N2
n-Propylbenzene	ug/L	ND	50	34.0	68	16-150	
p-Isopropyltoluene	ug/L	ND	50	35.5	71	10-163	
sec-Butylbenzene	ug/L	ND	50	35.2	70	10-160	
Styrene	ug/L	ND	50	34.2	68	36-139	
tert-Butylbenzene	ug/L	ND	50	29.9	60	12-134	
Tetrachloroethene	ug/L	ND	50	32.8	66	33-151	
Toluene	ug/L	ND	50	31.4	63	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	34.9	70	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	26.5	53	48-122	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	126	63	32-139	
Trichloroethene	ug/L	ND	50	33.5	67	50-143	
Trichlorofluoromethane	ug/L	ND	50	36.8	74	60-175	
Vinyl acetate	ug/L	ND	200	145	72	17-142	
Vinyl chloride	ug/L	ND	50	39.4	79	44-145	
Xylene (Total)	ug/L	ND	150	103	69	29-145	
4-Bromofluorobenzene (S)	%.				99	80-114	
Dibromofluoromethane (S)	%.				102	79-116	
Toluene-d8 (S)	%.				98	81-110	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

QC Batch: OEXT/34319 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH
Associated Lab Samples: 5089354001, 5089354003, 5089354004

METHOD BLANK: 1008099 Matrix: Water
Associated Lab Samples: 5089354001, 5089354003, 5089354004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2-Methylnaphthalene	ug/L	ND	1.0	11/06/13 19:17	
Acenaphthene	ug/L	ND	1.0	11/06/13 19:17	
Acenaphthylene	ug/L	ND	1.0	11/06/13 19:17	
Anthracene	ug/L	ND	0.10	11/06/13 19:17	
Benzo(a)anthracene	ug/L	ND	0.10	11/06/13 19:17	
Benzo(a)pyrene	ug/L	ND	0.10	11/06/13 19:17	
Benzo(b)fluoranthene	ug/L	ND	0.10	11/06/13 19:17	
Benzo(g,h,i)perylene	ug/L	ND	0.10	11/06/13 19:17	
Benzo(k)fluoranthene	ug/L	ND	0.10	11/06/13 19:17	
Chrysene	ug/L	ND	0.50	11/06/13 19:17	
Dibenz(a,h)anthracene	ug/L	ND	0.10	11/06/13 19:17	
Fluoranthene	ug/L	ND	1.0	11/06/13 19:17	
Fluorene	ug/L	ND	1.0	11/06/13 19:17	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	11/06/13 19:17	
Naphthalene	ug/L	ND	1.0	11/06/13 19:17	
Phenanthrene	ug/L	ND	1.0	11/06/13 19:17	
Pyrene	ug/L	ND	1.0	11/06/13 19:17	
2-Fluorobiphenyl (S)	%.	92	21-114	11/06/13 19:17	
p-Terphenyl-d14 (S)	%.	94	25-131	11/06/13 19:17	

LABORATORY CONTROL SAMPLE: 1008100

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	ug/L	10	4.5	45	29-110	
Acenaphthene	ug/L	10	4.9	49	39-117	
Acenaphthylene	ug/L	10	5.1	51	40-120	
Anthracene	ug/L	10	5.4	54	48-126	
Benzo(a)anthracene	ug/L	10	6.1	61	51-134	
Benzo(a)pyrene	ug/L	10	6.2	62	48-141	
Benzo(b)fluoranthene	ug/L	10	6.5	65	49-139	
Benzo(g,h,i)perylene	ug/L	10	6.1	61	44-134	
Benzo(k)fluoranthene	ug/L	10	5.8	58	48-140	
Chrysene	ug/L	10	6.5	65	53-136	
Dibenz(a,h)anthracene	ug/L	10	6.2	62	44-132	
Fluoranthene	ug/L	10	5.7	57	50-135	
Fluorene	ug/L	10	5.1	51	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	6.1	61	45-132	
Naphthalene	ug/L	10	4.7	47	30-112	
Phenanthrene	ug/L	10	5.5	55	47-128	
Pyrene	ug/L	10	5.7	57	50-134	
2-Fluorobiphenyl (S)	%.			46	21-114	

REPORT OF LABORATORY ANALYSIS

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Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

LABORATORY CONTROL SAMPLE: 1008100

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Terphenyl-d14 (S)	%.			59	25-131	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

QC Batch: OEXT/34318 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water Scan
Associated Lab Samples: 5089354001, 5089354003, 5089354004

METHOD BLANK: 1008097 Matrix: Water
Associated Lab Samples: 5089354001, 5089354003, 5089354004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/L	ND	10.0	11/07/13 02:49	
2,4,6-Trichlorophenol	ug/L	ND	10.0	11/07/13 02:49	
2,4-Dichlorophenol	ug/L	ND	10.0	11/07/13 02:49	
2,4-Dimethylphenol	ug/L	ND	10.0	11/07/13 02:49	
2,4-Dinitrophenol	ug/L	ND	50.0	11/07/13 02:49	
2,4-Dinitrotoluene	ug/L	ND	10.0	11/07/13 02:49	
2,6-Dinitrotoluene	ug/L	ND	10.0	11/07/13 02:49	
2-Chloronaphthalene	ug/L	ND	10.0	11/07/13 02:49	
2-Chlorophenol	ug/L	ND	10.0	11/07/13 02:49	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	11/07/13 02:49	
2-Nitroaniline	ug/L	ND	50.0	11/07/13 02:49	
2-Nitrophenol	ug/L	ND	10.0	11/07/13 02:49	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	11/07/13 02:49	
3-Nitroaniline	ug/L	ND	50.0	11/07/13 02:49	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	11/07/13 02:49	
4-Bromophenylphenyl ether	ug/L	ND	10.0	11/07/13 02:49	
4-Chloro-3-methylphenol	ug/L	ND	20.0	11/07/13 02:49	
4-Chloroaniline	ug/L	ND	20.0	11/07/13 02:49	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	11/07/13 02:49	
4-Nitroaniline	ug/L	ND	50.0	11/07/13 02:49	
4-Nitrophenol	ug/L	ND	50.0	11/07/13 02:49	
Benzyl alcohol	ug/L	ND	20.0	11/07/13 02:49	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	11/07/13 02:49	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	11/07/13 02:49	
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	11/07/13 02:49	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	11/07/13 02:49	
Butylbenzylphthalate	ug/L	ND	10.0	11/07/13 02:49	
Di-n-butylphthalate	ug/L	ND	10.0	11/07/13 02:49	
Di-n-octylphthalate	ug/L	ND	10.0	11/07/13 02:49	
Dibenzofuran	ug/L	ND	10.0	11/07/13 02:49	
Diethylphthalate	ug/L	ND	10.0	11/07/13 02:49	
Dimethylphthalate	ug/L	ND	10.0	11/07/13 02:49	
Hexachlorocyclopentadiene	ug/L	ND	20.0	11/07/13 02:49	
Hexachloroethane	ug/L	ND	10.0	11/07/13 02:49	
Isophorone	ug/L	ND	10.0	11/07/13 02:49	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	11/07/13 02:49	
N-Nitrosodiphenylamine	ug/L	ND	10.0	11/07/13 02:49	
Nitrobenzene	ug/L	ND	5.0	11/07/13 02:49	
Phenol	ug/L	ND	10.0	11/07/13 02:49	
2,4,6-Tribromophenol (S)	%.	81	31-161	11/07/13 02:49	
2-Fluorophenol (S)	%.	29	10-67	11/07/13 02:49	
Nitrobenzene-d5 (S)	%.	70	29-126	11/07/13 02:49	
Phenol-d5 (S)	%.	15	10-47	11/07/13 02:49	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

LABORATORY CONTROL SAMPLE: 1008098

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/L	100	30.7	31	36-126	L0
2-Chlorophenol	ug/L	100	27.8	28	40-98	L0
4-Chloro-3-methylphenol	ug/L	100	36.3	36	43-113	L0
4-Nitrophenol	ug/L	100	ND	7	10-42	L0
N-Nitroso-di-n-propylamine	ug/L	100	40.3	40	43-120	L0
Phenol	ug/L	100	8.7J	9	10-37	L0
2,4,6-Tribromophenol (S)	%.			50	31-161	
2-Fluorophenol (S)	%.			18	10-67	
Nitrobenzene-d5 (S)	%.			40	29-126	
Phenol-d5 (S)	%.			10	10-47	

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Due to the associated LCS analyte recovery failures, the reported results for all compounds may be biased low. The sample could not be re-extracted within the EPA recommended holding time. SRS 11/13/13
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.

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METHOD CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Parameter	Matrix	Analytical Method	Preparation Method
6010 MET ICP	Water	SW-846 6010B	SW-846 3010A
7470 Mercury	Water	SW-846 7470A	SW-846 7470A
8260 MSV	Water	SW-846 8260B	SW-846 5030B
8270 MSSV PAH	Water	SW-846 8270C	SW-846 3510C
8270 MSSV SCAN	Water	SW-846 8270C	SW-846 3510C

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089354

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089354001	**FAW-MW01-110413**	EPA 3010	MPRP/12393	EPA 6010	ICP/13749
5089354001	**FAW-MW01-110413**	EPA 3010	MPRP/12414	EPA 6010	ICP/13763
5089354003	**FAW-MW02-110413**	EPA 3010	MPRP/12393	EPA 6010	ICP/13749
5089354003	**FAW-MW02-110413**	EPA 3010	MPRP/12414	EPA 6010	ICP/13763
5089354004	**FAW-MW02-110413D**	EPA 3010	MPRP/12393	EPA 6010	ICP/13749
5089354004	**FAW-MW02-110413D**	EPA 3010	MPRP/12414	EPA 6010	ICP/13763
5089354001	**FAW-MW01-110413**	EPA 7470	MERP/5015	EPA 7470	MERC/5354
5089354003	**FAW-MW02-110413**	EPA 7470	MERP/5015	EPA 7470	MERC/5354
5089354004	**FAW-MW02-110413D**	EPA 7470	MERP/5015	EPA 7470	MERC/5354
5089354001	**FAW-MW01-110413**	EPA 3510	OEXT/34319	EPA 8270 by SIM	MSSV/13875
5089354003	**FAW-MW02-110413**	EPA 3510	OEXT/34319	EPA 8270 by SIM	MSSV/13875
5089354004	**FAW-MW02-110413D**	EPA 3510	OEXT/34319	EPA 8270 by SIM	MSSV/13875
5089354001	**FAW-MW01-110413**	EPA 3510	OEXT/34318	EPA 8270	MSSV/13878
5089354003	**FAW-MW02-110413**	EPA 3510	OEXT/34318	EPA 8270	MSSV/13878
5089354004	**FAW-MW02-110413D**	EPA 3510	OEXT/34318	EPA 8270	MSSV/13878
5089354001	**FAW-MW01-110413**	EPA 8260	MSV/59266		
5089354002	**FAW-TB13-110413**	EPA 8260	MSV/59266		
5089354003	**FAW-MW02-110413**	EPA 8260	MSV/59266		
5089354004	**FAW-MW02-110413D**	EPA 8260	MSV/59266		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1607049

Section A Required Client Information:

Company:	Weston Solutions
Address:	711 E. Monument Ave Dayton OH 45402
Email To:	laura.funk@westonsolutions.com
Phone:	937-531-4402
Fax:	
Requested Due Date/TAT:	Standard

Section B Required Project Information:

Report To:	laura.funk@westonsolutions.com
Copy To:	
Purchase Order No.:	
Project Name:	FAW
Project Number:	20405.016.008.2234.00

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER Ohio VAP

Site Location STATE: OH

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	SVOC	Metals	VOC	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FAW-MW01-110413	WT	G	11-4	1255				6										X	X	X		001
2	FAW-TB13-110413			11-4					1												X		002
3	FAW-MW02-110413	WT	G	11-4	1437				6										X	X	X		003
4	FAW-MW02-110413D	WT	G	11-4	1437				6										X	X	X		004
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

5089354

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Dustin Bates	11-4-13	1535	[signature]	11/4/13	1535	1.9	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dustin Bates

SIGNATURE of SAMPLER: Dustin Bates DATE Signed (MM/DD/YY): 11/04/13

ORIGINAL

F/Fed. Ex. 8033 7845 3240

Kee 11-5-13 1047

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Client Name: Weston Solutions Project # 5089354

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 8033 7845 3240

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Date/Time 5035A kits placed in freezer: _____

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other Ziplocks

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 1.9°C Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: KEE 11-5-13

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☑Yes ☐No ☐N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	10.
Trip Blank Present:	☑Yes ☐No ☐N/A	11.
Trip Blank Custody Seals Present	☐Yes ☑No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	12.
Sufficient Volume:	☑Yes ☐No ☐N/A	13.
Correct Containers Used:	☑Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 11-5-13

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: Weston Solutions

COC PAGE 1 of 1
COC ID# 1607049

Project # 5083354

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1	3	2							1							
2	1															
3	3	2							1							
4	3	2							1							
5																
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

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November 20, 2013

Ms. Laura Funk
Weston Solutions
711 East Monument Ave
Dayton, OH 45402

RE: Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Dear Ms. Funk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 06, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5089445001	**FAW-MW03-110413**	Water	11/04/13 16:30	11/06/13 10:20
5089445002	**FAW-TB14-110413**	Water	11/04/13 08:00	11/06/13 10:20
5089445003	**FAW-IDW05-110413**	Water	11/04/13 16:50	11/06/13 10:20

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SAMPLE ANALYTE COUNT

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5089445001	**FAW-MW03-110413**	EPA 6010	LLB	16	PASI-I
		EPA 7470	LLB	1	PASI-I
		EPA 8270 by SIM	CEM	19	PASI-I
		EPA 8270	KES	43	PASI-I
		EPA 8260	RSW	68	PASI-I
5089445002	**FAW-TB14-110413**	EPA 8260	RSW	68	PASI-I
5089445003	**FAW-IDW05-110413**	EPA 8082	DMT	8	PASI-I

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Sample: FAW-MW03-110413 **Lab ID: 5089445001** Collected: 11/04/13 16:30 Received: 11/06/13 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Aluminum	**872J**	ug/L	1000	500	1	11/07/13 14:30	11/12/13 09:51	7429-90-5	
Antimony	ND	ug/L	6.0	3.0	1	11/07/13 14:30	11/12/13 09:51	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/12/13 09:51	7440-38-2	
Barium	**51.0J**	ug/L	100	10.0	1	11/07/13 14:30	11/12/13 09:51	7440-39-3	
Beryllium	ND	ug/L	4.0	2.0	1	11/07/13 14:30	11/12/13 09:51	7440-41-7	
Cadmium	ND	ug/L	5.0	2.5	1	11/07/13 14:30	11/12/13 09:51	7440-43-9	
Chromium	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/12/13 09:51	7440-47-3	
Cobalt	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/12/13 09:51	7440-48-4	
Copper	ND	ug/L	20.0	10.0	1	11/07/13 14:30	11/12/13 09:51	7440-50-8	
Lead	ND	ug/L	10.0	4.0	1	11/07/13 14:30	11/12/13 09:51	7439-92-1	
Nickel	ND	ug/L	50.0	10.0	1	11/07/13 14:30	11/12/13 09:51	7440-02-0	
Selenium	ND	ug/L	10.0	5.0	1	11/07/13 14:30	11/12/13 09:51	7782-49-2	
Silver	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/12/13 09:51	7440-22-4	
Thallium	ND	ug/L	2.0	2.0	1	11/17/13 08:00	11/18/13 11:15	7440-28-0	
Vanadium	ND	ug/L	50.0	25.0	1	11/07/13 14:30	11/12/13 09:51	7440-62-2	
Zinc	ND	ug/L	50.0	20.0	1	11/07/13 14:30	11/12/13 09:51	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1.0	1	11/12/13 09:49	11/13/13 12:12	7439-97-6	
8270 MSSV PAH	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.73J**	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	83-32-9	
Acenaphthylene	ND	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	208-96-8	
Anthracene	**0.21**	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	120-12-7	
Benzo(a)anthracene	**0.064J**	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	207-08-9	
Chrysene	ND	ug/L	0.52	0.26	1	11/11/13 14:09	11/12/13 19:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	53-70-3	
Fluoranthene	ND	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	206-44-0	
Fluorene	ND	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	0.052	1	11/11/13 14:09	11/12/13 19:12	193-39-5	
2-Methylnaphthalene	ND	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	91-57-6	
Naphthalene	ND	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	91-20-3	
Phenanthrene	ND	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	85-01-8	
Pyrene	ND	ug/L	1.0	0.52	1	11/11/13 14:09	11/12/13 19:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	91	%.	21-114		1	11/11/13 14:09	11/12/13 19:12	321-60-8	
p-Terphenyl-d14 (S)	70	%.	25-131		1	11/11/13 14:09	11/12/13 19:12	1718-51-0	
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzyl alcohol	ND	ug/L	20.6	10.3	1	11/11/13 14:09	11/14/13 20:48	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	85-68-7	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Sample: FAW-MW03-110413 **Lab ID: 5089445001** Collected: 11/04/13 16:30 Received: 11/06/13 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SCAN	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Chloro-3-methylphenol	ND	ug/L	20.6	10.3	1	11/11/13 14:09	11/14/13 20:48	59-50-7	
4-Chloroaniline	ND	ug/L	20.6	10.3	1	11/11/13 14:09	11/14/13 20:48	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.2	3.5	1	11/11/13 14:09	11/14/13 20:48	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	91-58-7	
2-Chlorophenol	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	7005-72-3	
Dibenzofuran	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	132-64-9	
2,4-Dichlorophenol	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	120-83-2	
Diethylphthalate	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	105-67-9	
Dimethylphthalate	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	51.5	25.8	1	11/11/13 14:09	11/14/13 20:48	534-52-1	
2,4-Dinitrophenol	ND	ug/L	51.5	51.5	1	11/11/13 14:09	11/14/13 20:48	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	2.6	1	11/11/13 14:09	11/14/13 20:48	117-81-7	
Hexachlorocyclopentadiene	ND	ug/L	20.6	20.6	1	11/11/13 14:09	11/14/13 20:48	77-47-4	
Hexachloroethane	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	67-72-1	
Isophorone	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.6	10.3	1	11/11/13 14:09	11/14/13 20:48		
2-Nitroaniline	ND	ug/L	51.5	25.8	1	11/11/13 14:09	11/14/13 20:48	88-74-4	
3-Nitroaniline	ND	ug/L	51.5	25.8	1	11/11/13 14:09	11/14/13 20:48	99-09-2	
4-Nitroaniline	ND	ug/L	51.5	25.8	1	11/11/13 14:09	11/14/13 20:48	100-01-6	
Nitrobenzene	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	98-95-3	
2-Nitrophenol	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	88-75-5	
4-Nitrophenol	ND	ug/L	51.5	51.5	1	11/11/13 14:09	11/14/13 20:48	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	86-30-6	
Phenol	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.3	5.2	1	11/11/13 14:09	11/14/13 20:48	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	75	%.	29-126		1	11/11/13 14:09	11/14/13 20:48	4165-60-0	
Phenol-d5 (S)	16	%.	10-47		1	11/11/13 14:09	11/14/13 20:48	4165-62-2	
2-Fluorophenol (S)	29	%.	10-67		1	11/11/13 14:09	11/14/13 20:48	367-12-4	
2,4,6-Tribromophenol (S)	77	%.	31-161		1	11/11/13 14:09	11/14/13 20:48	118-79-6	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	79-34-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Sample: FAW-MW03-110413 **Lab ID: 5089445001** Collected: 11/04/13 16:30 Received: 11/06/13 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/13/13 05:23	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/13/13 05:23	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/13/13 05:23	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/13/13 05:23	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/13/13 05:23	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/13/13 05:23	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/13/13 05:23	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/13/13 05:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/13/13 05:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/13/13 05:23	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/13/13 05:23	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/13/13 05:23	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/13/13 05:23	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/13/13 05:23	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-09-2	
Styrene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/13/13 05:23	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	108-88-3	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Sample: FAW-MW03-110413 **Lab ID: 5089445001** Collected: 11/04/13 16:30 Received: 11/06/13 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Trichloroethene	ND	ug/L	5.0	1.0	1		11/13/13 05:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/13/13 05:23	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/13/13 05:23	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/13/13 05:23	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/13/13 05:23	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 05:23	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/13/13 05:23	110-57-6	
Surrogates									
Dibromofluoromethane (S)	99	%.	79-116		1		11/13/13 05:23	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114		1		11/13/13 05:23	460-00-4	
Toluene-d8 (S)	97	%.	81-110		1		11/13/13 05:23	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Sample: FAW-TB14-110413 **Lab ID: 5089445002** Collected: 11/04/13 08:00 Received: 11/06/13 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-35-4	
1,1-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1.0	1		11/13/13 07:05	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	541-73-1	
1,3-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	12.0	1		11/13/13 07:05	78-93-3	
2-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	95-49-8	
2-Hexanone	ND	ug/L	25.0	12.0	1		11/13/13 07:05	591-78-6	
4-Chlorotoluene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	12.0	1		11/13/13 07:05	108-10-1	
Acetone	ND	ug/L	100	50.0	1		11/13/13 07:05	67-64-1	
Acrolein	ND	ug/L	50.0	25.0	1		11/13/13 07:05	107-02-8	
Benzene	ND	ug/L	5.0	1.0	1		11/13/13 07:05	71-43-2	
Bromobenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	108-86-1	
Bromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-27-4	
Bromoform	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-25-2	
Bromomethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	74-83-9	
Carbon disulfide	ND	ug/L	10.0	5.0	1		11/13/13 07:05	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	2.5	1		11/13/13 07:05	56-23-5	
Chlorobenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	108-90-7	
Chloroethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-00-3	
Chloroform	ND	ug/L	5.0	2.5	1		11/13/13 07:05	67-66-3	
Chloromethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	124-48-1	
Dibromomethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-71-8	
Ethyl methacrylate	ND	ug/L	100	50.0	1		11/13/13 07:05	97-63-2	
Ethylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	100-41-4	
Iodomethane	ND	ug/L	10.0	5.0	1		11/13/13 07:05	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	2.5	1		11/13/13 07:05	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	4.0	2.0	1		11/13/13 07:05	1634-04-4	
Methylene Chloride	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-09-2	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Sample: FAW-TB14-110413 **Lab ID: 5089445002** Collected: 11/04/13 08:00 Received: 11/06/13 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Styrene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1.0	1		11/13/13 07:05	127-18-4	
Toluene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	108-88-3	
Trichloroethene	ND	ug/L	5.0	1.0	1		11/13/13 07:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	75-69-4	
Vinyl acetate	ND	ug/L	50.0	25.0	1		11/13/13 07:05	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1.0	1		11/13/13 07:05	75-01-4	
Xylene (Total)	ND	ug/L	10.0	5.0	1		11/13/13 07:05	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	10061-01-5	
n-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	104-51-8	
n-Hexane	ND	ug/L	5.0	2.5	1		11/13/13 07:05	110-54-3	N2
n-Propylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	103-65-1	
p-Isopropyltoluene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	99-87-6	
sec-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	2.5	1		11/13/13 07:05	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	25.0	1		11/13/13 07:05	110-57-6	
Surrogates									
Dibromofluoromethane (S)	98	%.	79-116		1		11/13/13 07:05	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114		1		11/13/13 07:05	460-00-4	
Toluene-d8 (S)	97	%.	81-110		1		11/13/13 07:05	2037-26-5	

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ANALYTICAL RESULTS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Sample: FAW-IDW05-110413 **Lab ID: 5089445003** Collected: 11/04/13 16:50 Received: 11/06/13 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.54	0.27	1	11/07/13 12:05	11/08/13 14:45	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.54	0.27	1	11/07/13 12:05	11/08/13 14:45	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.54	0.27	1	11/07/13 12:05	11/08/13 14:45	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.54	0.27	1	11/07/13 12:05	11/08/13 14:45	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.54	0.27	1	11/07/13 12:05	11/08/13 14:45	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.54	0.27	1	11/07/13 12:05	11/08/13 14:45	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.54	0.27	1	11/07/13 12:05	11/08/13 14:45	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	90	%.	32-115		1	11/07/13 12:05	11/08/13 14:45	877-09-8	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

QC Batch: MERP/5023
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 5089445001

METHOD BLANK: 1010430 Matrix: Water
Associated Lab Samples: 5089445001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	2.0	11/13/13 11:25	

LABORATORY CONTROL SAMPLE: 1010431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010432 1010433

Parameter	Units	5089445001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.7	4.5	92	89	75-125	4	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

QC Batch: MPRP/12398
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 5089445001

METHOD BLANK: 1008818 Matrix: Water
Associated Lab Samples: 5089445001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	1000	11/12/13 09:32	
Antimony	ug/L	ND	6.0	11/12/13 09:32	
Arsenic	ug/L	ND	10.0	11/12/13 09:32	
Barium	ug/L	ND	100	11/12/13 09:32	
Beryllium	ug/L	ND	4.0	11/12/13 09:32	
Cadmium	ug/L	ND	5.0	11/12/13 09:32	
Chromium	ug/L	ND	10.0	11/12/13 09:32	
Cobalt	ug/L	ND	50.0	11/12/13 09:32	
Copper	ug/L	ND	20.0	11/12/13 09:32	
Lead	ug/L	ND	10.0	11/12/13 09:32	
Nickel	ug/L	ND	50.0	11/12/13 09:32	
Selenium	ug/L	ND	10.0	11/12/13 09:32	
Silver	ug/L	ND	50.0	11/12/13 09:32	
Vanadium	ug/L	ND	50.0	11/12/13 09:32	
Zinc	ug/L	ND	50.0	11/12/13 09:32	

LABORATORY CONTROL SAMPLE: 1008819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10100	101	80-120	
Antimony	ug/L	1000	1040	104	80-120	
Arsenic	ug/L	1000	1020	102	80-120	
Barium	ug/L	1000	1000	100	80-120	
Beryllium	ug/L	1000	997	100	80-120	
Cadmium	ug/L	1000	976	98	80-120	
Chromium	ug/L	1000	1010	101	80-120	
Cobalt	ug/L	1000	988	99	80-120	
Copper	ug/L	1000	972	97	80-120	
Lead	ug/L	1000	968	97	80-120	
Nickel	ug/L	1000	1000	100	80-120	
Selenium	ug/L	1000	971	97	80-120	
Silver	ug/L	500	491	98	80-120	
Vanadium	ug/L	1000	1000	100	80-120	
Zinc	ug/L	1000	972	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1008820 1008821

Parameter	Units	5089445001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	872J	10000	10000	11600	12000	107	111	75-125	3	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1008820 1008821

Parameter	Units	5089445001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	1000	1000	1100	1120	110	112	75-125	2	20	
Arsenic	ug/L	ND	1000	1000	1100	1120	110	112	75-125	2	20	
Barium	ug/L	51.0J	1000	1000	1060	1080	101	103	75-125	2	20	
Beryllium	ug/L	ND	1000	1000	1000	1020	100	102	75-125	2	20	
Cadmium	ug/L	ND	1000	1000	1020	1040	102	104	75-125	2	20	
Chromium	ug/L	ND	1000	1000	1030	1050	103	105	75-125	2	20	
Cobalt	ug/L	ND	1000	1000	1020	1040	102	104	75-125	2	20	
Copper	ug/L	ND	1000	1000	999	1030	100	103	75-125	3	20	
Lead	ug/L	ND	1000	1000	988	1000	99	100	75-125	2	20	
Nickel	ug/L	ND	1000	1000	1020	1040	102	104	75-125	2	20	
Selenium	ug/L	ND	1000	1000	1020	1040	102	104	75-125	1	20	
Silver	ug/L	ND	500	500	521	535	104	107	75-125	3	20	
Vanadium	ug/L	ND	1000	1000	1040	1070	104	106	75-125	2	20	
Zinc	ug/L	ND	1000	1000	1000	1020	100	102	75-125	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1008822 1008823

Parameter	Units	5089446011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	484000	10000	10000	491000	488000	69	35	75-125	1	20	P6
Antimony	ug/L	17.2	1000	1000	101	106	8	9	75-125	5	20	M3
Arsenic	ug/L	429	1000	1000	1160	1230	73	81	75-125	6	20	M3
Barium	ug/L	4620	1000	1000	5600	5530	98	91	75-125	1	20	
Beryllium	ug/L	18.8	1000	1000	669	668	65	65	75-125	0	20	M3
Cadmium	ug/L	26.6	1000	1000	1040	1030	101	100	75-125	1	20	
Chromium	ug/L	1010	1000	1000	1660	1650	65	64	75-125	0	20	M3
Cobalt	ug/L	423	1000	1000	1050	1060	63	63	75-125	0	20	M3
Copper	ug/L	3270	1000	1000	4250	4160	98	88	75-125	2	20	
Lead	ug/L	1000	1000	1000	1580	1560	58	56	75-125	1	20	M3
Nickel	ug/L	1110	1000	1000	1720	1710	60	60	75-125	0	20	M3
Selenium	ug/L	ND	1000	1000	458	540	46	54	75-125	17	20	M3
Silver	ug/L	ND	500	500	480	480	96	96	75-125	0	20	
Vanadium	ug/L	695	1000	1000	1330	1340	64	65	75-125	1	20	M3
Zinc	ug/L	4340	1000	1000	4880	4890	54	56	75-125	0	20	P6

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

QC Batch: MPRP/12471 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 5089445001

METHOD BLANK: 1014671 Matrix: Water
Associated Lab Samples: 5089445001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Thallium	ug/L	ND	2.0	11/18/13 11:11	

LABORATORY CONTROL SAMPLE: 1014672

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium	ug/L	200	194	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1014673 1014674

Parameter	Units	5089445001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Thallium	ug/L	ND	200	200	176	180	88	90	75-125	2	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

QC Batch: MSV/59267 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5089445001, 5089445002

METHOD BLANK: 1011513 Matrix: Water
Associated Lab Samples: 5089445001, 5089445002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/13/13 02:38	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/13/13 02:38	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/13/13 02:38	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/13/13 02:38	
1,1-Dichloroethane	ug/L	ND	5.0	11/13/13 02:38	
1,1-Dichloroethene	ug/L	ND	5.0	11/13/13 02:38	
1,1-Dichloropropene	ug/L	ND	5.0	11/13/13 02:38	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	11/13/13 02:38	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	11/13/13 02:38	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	11/13/13 02:38	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/13/13 02:38	
1,2-Dichloroethane	ug/L	ND	5.0	11/13/13 02:38	
1,2-Dichloropropane	ug/L	ND	5.0	11/13/13 02:38	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	11/13/13 02:38	
1,3-Dichlorobenzene	ug/L	ND	5.0	11/13/13 02:38	
1,3-Dichloropropane	ug/L	ND	5.0	11/13/13 02:38	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/13/13 02:38	
2,2-Dichloropropane	ug/L	ND	5.0	11/13/13 02:38	
2-Butanone (MEK)	ug/L	ND	25.0	11/13/13 02:38	
2-Chlorotoluene	ug/L	ND	5.0	11/13/13 02:38	
2-Hexanone	ug/L	ND	25.0	11/13/13 02:38	
4-Chlorotoluene	ug/L	ND	5.0	11/13/13 02:38	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	11/13/13 02:38	
Acetone	ug/L	ND	100	11/13/13 02:38	
Acrolein	ug/L	ND	50.0	11/13/13 02:38	
Benzene	ug/L	ND	5.0	11/13/13 02:38	
Bromobenzene	ug/L	ND	5.0	11/13/13 02:38	
Bromochloromethane	ug/L	ND	5.0	11/13/13 02:38	
Bromodichloromethane	ug/L	ND	5.0	11/13/13 02:38	
Bromoform	ug/L	ND	5.0	11/13/13 02:38	
Bromomethane	ug/L	ND	5.0	11/13/13 02:38	
Carbon disulfide	ug/L	ND	10.0	11/13/13 02:38	
Carbon tetrachloride	ug/L	ND	5.0	11/13/13 02:38	
Chlorobenzene	ug/L	ND	5.0	11/13/13 02:38	
Chloroethane	ug/L	ND	5.0	11/13/13 02:38	
Chloroform	ug/L	ND	5.0	11/13/13 02:38	
Chloromethane	ug/L	ND	5.0	11/13/13 02:38	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/13/13 02:38	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/13/13 02:38	
Dibromochloromethane	ug/L	ND	5.0	11/13/13 02:38	
Dibromomethane	ug/L	ND	5.0	11/13/13 02:38	
Dichlorodifluoromethane	ug/L	ND	5.0	11/13/13 02:38	
Ethyl methacrylate	ug/L	ND	100	11/13/13 02:38	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

METHOD BLANK: 1011513 Matrix: Water

Associated Lab Samples: 5089445001, 5089445002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	ND	5.0	11/13/13 02:38	
Iodomethane	ug/L	ND	10.0	11/13/13 02:38	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	11/13/13 02:38	
Methyl-tert-butyl ether	ug/L	ND	4.0	11/13/13 02:38	
Methylene Chloride	ug/L	ND	5.0	11/13/13 02:38	
n-Butylbenzene	ug/L	ND	5.0	11/13/13 02:38	
n-Hexane	ug/L	ND	5.0	11/13/13 02:38	N2
n-Propylbenzene	ug/L	ND	5.0	11/13/13 02:38	
p-Isopropyltoluene	ug/L	ND	5.0	11/13/13 02:38	
sec-Butylbenzene	ug/L	ND	5.0	11/13/13 02:38	
Styrene	ug/L	ND	5.0	11/13/13 02:38	
tert-Butylbenzene	ug/L	ND	5.0	11/13/13 02:38	
Tetrachloroethene	ug/L	ND	5.0	11/13/13 02:38	
Toluene	ug/L	ND	5.0	11/13/13 02:38	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/13/13 02:38	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/13/13 02:38	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	11/13/13 02:38	
Trichloroethene	ug/L	ND	5.0	11/13/13 02:38	
Trichlorofluoromethane	ug/L	ND	5.0	11/13/13 02:38	
Vinyl acetate	ug/L	ND	50.0	11/13/13 02:38	
Vinyl chloride	ug/L	ND	2.0	11/13/13 02:38	
Xylene (Total)	ug/L	ND	10.0	11/13/13 02:38	
4-Bromofluorobenzene (S)	%.	98	80-114	11/13/13 02:38	
Dibromofluoromethane (S)	%.	96	79-116	11/13/13 02:38	
Toluene-d8 (S)	%.	99	81-110	11/13/13 02:38	

LABORATORY CONTROL SAMPLE: 1011514

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.3	93	61-135	
1,1,1-Trichloroethane	ug/L	50	48.3	97	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.5	97	66-126	
1,1,2-Trichloroethane	ug/L	50	49.7	99	77-130	
1,1-Dichloroethane	ug/L	50	51.7	103	75-130	
1,1-Dichloroethene	ug/L	50	49.3	99	68-127	
1,1-Dichloropropene	ug/L	50	54.2	108	78-130	
1,2,3-Trichlorobenzene	ug/L	50	45.2	90	70-130	
1,2,4-Trichlorobenzene	ug/L	50	44.6	89	68-131	
1,2,4-Trimethylbenzene	ug/L	50	50.8	102	69-127	
1,2-Dichlorobenzene	ug/L	50	50.3	101	75-123	
1,2-Dichloroethane	ug/L	50	49.3	99	75-128	
1,2-Dichloropropane	ug/L	50	56.0	112	74-121	
1,3,5-Trimethylbenzene	ug/L	50	52.3	105	70-126	
1,3-Dichlorobenzene	ug/L	50	50.1	100	74-122	
1,3-Dichloropropane	ug/L	50	51.4	103	74-123	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

LABORATORY CONTROL SAMPLE: 1011514

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	48.3	97	76-120	
2,2-Dichloropropane	ug/L	50	38.2	76	50-137	
2-Butanone (MEK)	ug/L	250	280	112	58-139	
2-Chlorotoluene	ug/L	50	49.2	98	74-122	
2-Hexanone	ug/L	250	289	115	54-140	
4-Chlorotoluene	ug/L	50	51.4	103	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	279	112	58-138	
Acetone	ug/L	250	315	126	49-150	
Acrolein	ug/L	1000	966	97	41-200	
Benzene	ug/L	50	48.8	98	74-122	
Bromobenzene	ug/L	50	49.4	99	72-127	
Bromochloromethane	ug/L	50	50.0	100	63-132	
Bromodichloromethane	ug/L	50	48.3	97	62-136	
Bromoform	ug/L	50	45.3	91	44-134	
Bromomethane	ug/L	50	170	340	22-181	L3
Carbon disulfide	ug/L	100	99.1	99	59-132	
Carbon tetrachloride	ug/L	50	44.3	89	56-137	
Chlorobenzene	ug/L	50	50.5	101	78-123	
Chloroethane	ug/L	50	46.5	93	60-144	
Chloroform	ug/L	50	50.8	102	78-126	
Chloromethane	ug/L	50	53.4	107	42-134	
cis-1,2-Dichloroethene	ug/L	50	51.4	103	75-122	
cis-1,3-Dichloropropene	ug/L	50	47.2	94	64-126	
Dibromochloromethane	ug/L	50	48.1	96	58-128	
Dibromomethane	ug/L	50	53.1	106	73-125	
Dichlorodifluoromethane	ug/L	50	54.6	109	35-181	
Ethyl methacrylate	ug/L	200	215	108	69-133	
Ethylbenzene	ug/L	50	51.7	103	66-133	
Iodomethane	ug/L	100	99.4	99	21-170	
Isopropylbenzene (Cumene)	ug/L	50	54.6	109	69-124	
Methyl-tert-butyl ether	ug/L	100	112	112	69-122	
Methylene Chloride	ug/L	50	56.3	113	68-132	
n-Butylbenzene	ug/L	50	54.2	108	70-126	
n-Hexane	ug/L	50	49.9	100	51-125	N2
n-Propylbenzene	ug/L	50	51.4	103	71-122	
p-Isopropyltoluene	ug/L	50	53.7	107	72-132	
sec-Butylbenzene	ug/L	50	53.0	106	70-128	
Styrene	ug/L	50	55.0	110	74-126	
tert-Butylbenzene	ug/L	50	44.6	89	51-118	
Tetrachloroethene	ug/L	50	49.6	99	69-130	
Toluene	ug/L	50	48.0	96	72-122	
trans-1,2-Dichloroethene	ug/L	50	50.7	101	72-124	
trans-1,3-Dichloropropene	ug/L	50	47.1	94	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	209	105	56-133	
Trichloroethene	ug/L	50	49.2	98	76-126	
Trichlorofluoromethane	ug/L	50	53.2	106	76-149	
Vinyl acetate	ug/L	200	256	128	45-151	
Vinyl chloride	ug/L	50	55.3	111	59-126	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

LABORATORY CONTROL SAMPLE: 1011514

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	160	106	70-124	
4-Bromofluorobenzene (S)	%.			100	80-114	
Dibromofluoromethane (S)	%.			103	79-116	
Toluene-d8 (S)	%.			99	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1011515 1011516

Parameter	Units	5089420002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	30.8	37.7	62	75	50-132	20	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	32.5	40.1	65	80	60-138	21	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	35.8	42.8	72	86	55-128	18	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	36.1	44.0	72	88	61-139	20	20	
1,1-Dichloroethane	ug/L	ND	50	50	38.3	44.7	77	89	57-147	15	20	
1,1-Dichloroethene	ug/L	ND	50	50	36.9	43.3	74	87	55-145	16	20	
1,1-Dichloropropene	ug/L	ND	50	50	41.5	48.9	83	98	55-147	16	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	33.4	39.4	67	79	31-141	17	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	31.8	36.8	64	74	25-143	15	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	36.2	41.1	72	82	18-149	13	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	35.4	41.4	71	83	38-136	15	20	
1,2-Dichloroethane	ug/L	ND	50	50	35.5	43.5	71	87	62-138	20	20	
1,2-Dichloropropane	ug/L	ND	50	50	40.5	48.4	81	97	59-130	18	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	38.9	43.8	78	88	20-147	12	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	35.0	40.4	70	81	28-141	14	20	
1,3-Dichloropropane	ug/L	ND	50	50	37.4	45.1	75	90	62-127	19	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	33.9	39.8	68	80	30-139	16	20	
2,2-Dichloropropane	ug/L	ND	50	50	23.1	29.8	46	60	37-139	25	20	
2-Butanone (MEK)	ug/L	ND	250	250	219	270	88	108	37-156	21	20	
2-Chlorotoluene	ug/L	ND	50	50	35.9	41.1	72	82	27-142	13	20	
2-Hexanone	ug/L	ND	250	250	226	283	91	113	44-143	22	20	
4-Chlorotoluene	ug/L	ND	50	50	38.3	43.5	77	87	27-144	13	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	218	268	87	107	46-144	21	20	
Acetone	ug/L	ND	250	250	232	289	93	116	39-156	22	20	
Acrolein	ug/L	ND	1000	1000	933	1130	93	113	33-200	19	20	
Benzene	ug/L	ND	50	50	36.2	42.9	72	86	62-129	17	20	
Bromobenzene	ug/L	ND	50	50	35.5	42.3	71	85	39-140	18	20	
Bromochloromethane	ug/L	ND	50	50	36.7	42.7	73	85	49-142	15	20	
Bromodichloromethane	ug/L	ND	50	50	33.9	41.4	68	83	50-142	20	20	
Bromoform	ug/L	ND	50	50	30.6	37.3	61	75	36-125	20	20	
Bromomethane	ug/L	ND	50	50	113	124	227	248	13-179	9	20	M0
Carbon disulfide	ug/L	ND	100	100	76.3	86.9	76	87	45-142	13	20	
Carbon tetrachloride	ug/L	ND	50	50	29.1	36.6	58	73	46-142	23	20	
Chlorobenzene	ug/L	ND	50	50	36.6	43.3	73	87	49-136	17	20	
Chloroethane	ug/L	ND	50	50	34.1	39.5	68	79	47-160	15	20	
Chloroform	ug/L	ND	50	50	37.6	44.7	75	89	54-150	17	20	
Chloromethane	ug/L	ND	50	50	39.9	46.3	80	93	30-148	15	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	38.6	44.6	77	89	60-135	14	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1011515 1011516

Parameter	Units	5089420002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	ug/L	ND	50	50	29.8	37.6	60	75	52-123	23	20	
Dibromochloromethane	ug/L	ND	50	50	31.6	40.2	63	80	48-125	24	20	
Dibromomethane	ug/L	ND	50	50	38.0	45.9	76	92	59-134	19	20	
Dichlorodifluoromethane	ug/L	ND	50	50	44.3	52.2	89	104	24-197	16	20	
Ethyl methacrylate	ug/L	ND	200	200	155	192	78	96	55-139	21	20	
Ethylbenzene	ug/L	ND	50	50	37.3	45.5	75	91	28-153	20	20	
Iodomethane	ug/L	ND	100	100	58.0	77.1	58	77	17-157	28	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	41.2	48.2	82	96	18-152	16	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	73.3	92.0	73	92	63-130	23	20	
Methylene Chloride	ug/L	ND	50	50	39.2	46.7	78	93	45-156	17	20	
n-Butylbenzene	ug/L	ND	50	50	40.8	46.3	82	93	10-161	13	20	
n-Hexane	ug/L	ND	50	50	43.7	48.7	87	97	33-144	11	20	N2
n-Propylbenzene	ug/L	ND	50	50	38.2	43.9	76	88	16-150	14	20	
p-Isopropyltoluene	ug/L	ND	50	50	39.9	45.4	80	91	10-163	13	20	
sec-Butylbenzene	ug/L	ND	50	50	39.4	44.9	79	90	10-160	13	20	
Styrene	ug/L	ND	50	50	38.9	47.0	78	94	36-139	19	20	
tert-Butylbenzene	ug/L	ND	50	50	34.3	38.5	69	77	12-134	11	20	
Tetrachloroethene	ug/L	ND	50	50	37.4	44.3	75	89	33-151	17	20	
Toluene	ug/L	ND	50	50	35.3	41.4	71	83	50-132	16	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	39.5	45.0	79	90	40-153	13	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	29.1	37.5	58	75	48-122	25	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	150	188	75	94	32-139	23	20	
Trichloroethene	ug/L	ND	50	50	37.2	44.4	74	88	50-143	18	20	
Trichlorofluoromethane	ug/L	ND	50	50	40.9	47.2	82	94	60-175	14	20	
Vinyl acetate	ug/L	ND	200	200	140	184	70	92	17-142	27	20	
Vinyl chloride	ug/L	ND	50	50	43.1	49.1	86	98	44-145	13	20	
Xylene (Total)	ug/L	ND	150	150	116	138	77	92	29-145	18	20	
4-Bromofluorobenzene (S)	%.						100	101	80-114			
Dibromofluoromethane (S)	%.						102	102	79-116			1d
Toluene-d8 (S)	%.						97	98	81-110			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1011517 1011518

Parameter	Units	5089445001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	35.1	41.7	70	83	50-132	17	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	37.5	44.7	75	89	60-138	18	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	42.8	49.4	86	99	55-128	14	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	41.7	47.8	83	96	61-139	13	20	
1,1-Dichloroethane	ug/L	ND	50	50	41.7	49.7	83	99	57-147	18	20	
1,1-Dichloroethene	ug/L	ND	50	50	39.1	46.8	78	94	55-145	18	20	
1,1-Dichloropropene	ug/L	ND	50	50	45.4	52.4	91	105	55-147	14	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	37.2	43.8	74	88	31-141	16	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	35.1	40.2	70	80	25-143	14	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	40.7	45.4	81	90	18-149	11	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	39.7	44.4	79	88	38-136	11	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1011517 1011518

Parameter	Units	5089445001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	50	50	40.4	47.4	81	95	62-138	16	20	
1,2-Dichloropropane	ug/L	ND	50	50	45.3	53.5	91	107	59-130	17	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	42.4	49.4	84	98	20-147	15	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	39.3	44.4	79	89	28-141	12	20	
1,3-Dichloropropane	ug/L	ND	50	50	41.8	49.8	84	100	62-127	18	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	38.0	43.1	75	86	30-139	13	20	
2,2-Dichloropropane	ug/L	ND	50	50	27.7	33.2	55	66	37-139	18	20	
2-Butanone (MEK)	ug/L	ND	250	250	265	315	106	126	37-156	17	20	
2-Chlorotoluene	ug/L	ND	50	50	40.4	45.4	81	91	27-142	12	20	
2-Hexanone	ug/L	ND	250	250	272	319	109	128	44-143	16	20	
4-Chlorotoluene	ug/L	ND	50	50	41.9	47.5	84	95	27-144	12	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	255	304	102	122	46-144	18	20	
Acetone	ug/L	ND	250	250	278	331	111	133	39-156	17	20	
Acrolein	ug/L	ND	1000	1000	1070	1230	107	123	33-200	14	20	
Benzene	ug/L	ND	50	50	40.4	46.9	81	94	62-129	15	20	
Bromobenzene	ug/L	ND	50	50	39.0	46.7	78	93	39-140	18	20	
Bromochloromethane	ug/L	ND	50	50	40.3	47.0	81	94	49-142	15	20	
Bromodichloromethane	ug/L	ND	50	50	39.1	46.9	78	94	50-142	18	20	
Bromoform	ug/L	ND	50	50	36.1	41.8	72	84	36-125	15	20	
Bromomethane	ug/L	ND	50	50	111	122	222	245	13-179	10	20	M0
Carbon disulfide	ug/L	ND	100	100	80.3	92.8	80	93	45-142	14	20	
Carbon tetrachloride	ug/L	ND	50	50	33.2	39.4	66	79	46-142	17	20	
Chlorobenzene	ug/L	ND	50	50	40.7	46.9	81	94	49-136	14	20	
Chloroethane	ug/L	ND	50	50	37.1	40.0	74	80	47-160	8	20	
Chloroform	ug/L	ND	50	50	44.0	50.7	85	98	54-150	14	20	
Chloromethane	ug/L	ND	50	50	42.2	48.8	84	98	30-148	14	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	42.3	48.9	85	98	60-135	15	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	35.0	41.8	70	84	52-123	18	20	
Dibromochloromethane	ug/L	ND	50	50	36.8	44.0	69	84	48-125	18	20	
Dibromomethane	ug/L	ND	50	50	43.4	51.0	87	102	59-134	16	20	
Dichlorodifluoromethane	ug/L	ND	50	50	49.2	56.2	98	112	24-197	13	20	
Ethyl methacrylate	ug/L	ND	200	200	180	214	90	107	55-139	17	20	
Ethylbenzene	ug/L	ND	50	50	41.8	48.1	84	96	28-153	14	20	
Iodomethane	ug/L	ND	100	100	66.8	80.6	67	81	17-157	19	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	44.4	51.6	89	103	18-152	15	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	89.0	108	89	108	63-130	19	20	
Methylene Chloride	ug/L	ND	50	50	43.7	51.3	87	103	45-156	16	20	
n-Butylbenzene	ug/L	ND	50	50	44.0	50.1	88	100	10-161	13	20	
n-Hexane	ug/L	ND	50	50	46.7	51.7	93	103	33-144	10	20	N2
n-Propylbenzene	ug/L	ND	50	50	42.4	47.6	85	95	16-150	11	20	
p-Isopropyltoluene	ug/L	ND	50	50	43.4	49.6	87	99	10-163	13	20	
sec-Butylbenzene	ug/L	ND	50	50	43.2	48.7	86	97	10-160	12	20	
Styrene	ug/L	ND	50	50	43.2	50.0	86	100	36-139	15	20	
tert-Butylbenzene	ug/L	ND	50	50	36.9	42.5	74	85	12-134	14	20	
Tetrachloroethene	ug/L	ND	50	50	40.6	46.9	81	94	33-151	14	20	
Toluene	ug/L	ND	50	50	39.2	45.6	78	91	50-132	15	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	42.5	49.2	85	98	40-153	15	20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1011517 1011518

Parameter	Units	5089445001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
trans-1,3-Dichloropropene	ug/L	ND	50	50	34.6	42.1	69	84	48-122	19	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	174	206	87	103	32-139	17	20	
Trichloroethene	ug/L	ND	50	50	41.1	48.8	82	98	50-143	17	20	
Trichlorofluoromethane	ug/L	ND	50	50	44.5	51.7	89	103	60-175	15	20	
Vinyl acetate	ug/L	ND	200	200	168	198	84	99	17-142	17	20	
Vinyl chloride	ug/L	ND	50	50	45.9	52.3	92	105	44-145	13	20	
Xylene (Total)	ug/L	ND	150	150	128	150	85	100	29-145	16	20	
4-Bromofluorobenzene (S)	%.						100	102	80-114			
Dibromofluoromethane (S)	%.						102	102	79-116			
Toluene-d8 (S)	%.						97	99	81-110			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1011519 1011520

Parameter	Units	5089576001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	44.8	34.2	90	68	50-132	27	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	47.4	35.7	95	71	60-138	28	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	49.3	42.4	99	85	55-128	15	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	48.5	40.6	97	81	61-139	18	20	
1,1-Dichloroethane	ug/L	ND	50	50	54.1	40.4	108	81	57-147	29	20	
1,1-Dichloroethene	ug/L	ND	50	50	52.7	38.3	105	77	55-145	31	20	
1,1-Dichloropropene	ug/L	ND	50	50	59.6	43.7	119	87	55-147	31	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	43.9	36.6	88	73	31-141	18	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	44.2	34.3	88	69	25-143	25	20	
1,2,4-Trimethylbenzene	ug/L	10.7	50	50	64.9	50.7	108	80	18-149	24	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	51.8	38.2	104	76	38-136	30	20	
1,2-Dichloroethane	ug/L	ND	50	50	51.0	39.7	102	79	62-138	25	20	
1,2-Dichloropropane	ug/L	ND	50	50	57.2	43.3	114	87	59-130	28	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	53.5	40.9	107	82	20-147	27	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	50.8	38.2	102	76	28-141	28	20	
1,3-Dichloropropane	ug/L	ND	50	50	51.8	41.4	104	83	62-127	22	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	48.7	36.5	97	73	30-139	29	20	
2,2-Dichloropropane	ug/L	ND	50	50	39.7	25.0	79	50	37-139	46	20	
2-Butanone (MEK)	ug/L	ND	250	250	272	280	109	112	37-156	3	20	
2-Chlorotoluene	ug/L	ND	50	50	52.0	39.1	104	78	27-142	28	20	
2-Hexanone	ug/L	ND	250	250	278	284	111	114	44-143	2	20	
4-Chlorotoluene	ug/L	ND	50	50	54.7	41.5	109	83	27-144	27	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	277	267	111	107	46-144	3	20	
Acetone	ug/L	ND	250	250	298	291	119	116	39-156	2	20	
Acrolein	ug/L	ND	1000	1000	1360	1020	136	102	33-200	29	20	
Benzene	ug/L	ND	50	50	52.9	42.2	100	79	62-129	23	20	
Bromobenzene	ug/L	ND	50	50	49.5	39.0	99	78	39-140	24	20	
Bromochloromethane	ug/L	ND	50	50	52.8	39.4	106	79	49-142	29	20	
Bromodichloromethane	ug/L	ND	50	50	57.1	37.4	114	75	50-142	42	20	
Bromoform	ug/L	ND	50	50	43.5	34.7	87	69	36-125	22	20	
Bromomethane	ug/L	ND	50	50	49.9	91.1	100	182	13-179	58	20	M0

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1011519 1011520

Parameter	Units	5089576001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Carbon disulfide	ug/L	ND	100	100	110	77.2	110	77	45-142	35	20	
Carbon tetrachloride	ug/L	ND	50	50	43.6	31.5	87	63	46-142	32	20	
Chlorobenzene	ug/L	ND	50	50	50.0	38.8	100	78	49-136	25	20	
Chloroethane	ug/L	ND	50	50	50.6	33.7	101	67	47-160	40	20	
Chloroform	ug/L	ND	50	50	52.8	40.8	106	82	54-150	26	20	
Chloromethane	ug/L	ND	50	50	50.1	39.1	100	78	30-148	25	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	53.3	41.2	107	82	60-135	26	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	45.1	33.6	90	67	52-123	29	20	
Dibromochloromethane	ug/L	ND	50	50	45.5	35.0	91	70	48-125	26	20	
Dibromomethane	ug/L	ND	50	50	53.8	42.8	108	86	59-134	23	20	
Dichlorodifluoromethane	ug/L	ND	50	50	59.0	46.6	118	93	24-197	23	20	
Ethyl methacrylate	ug/L	ND	200	200	209	180	104	90	55-139	15	20	
Ethylbenzene	ug/L	ND	50	50	55.0	42.3	107	82	28-153	26	20	
Iodomethane	ug/L	ND	100	100	89.9	63.0	90	63	17-157	35	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	56.8	45.0	111	87	18-152	23	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	106	88.6	106	89	63-130	18	20	
Methylene Chloride	ug/L	ND	50	50	46.5	42.2	93	84	45-156	10	20	
n-Butylbenzene	ug/L	ND	50	50	50.7	42.3	101	85	10-161	18	20	
n-Hexane	ug/L	ND	50	50	63.1	43.4	126	87	33-144	37	20	N2
n-Propylbenzene	ug/L	ND	50	50	54.2	40.9	108	82	16-150	28	20	
p-Isopropyltoluene	ug/L	ND	50	50	57.2	41.5	114	83	10-163	32	20	
sec-Butylbenzene	ug/L	ND	50	50	55.7	41.0	111	82	10-160	30	20	
Styrene	ug/L	ND	50	50	55.2	42.6	110	85	36-139	26	20	
tert-Butylbenzene	ug/L	ND	50	50	44.9	35.9	90	72	12-134	22	20	
Tetrachloroethene	ug/L	ND	50	50	52.7	39.5	105	79	33-151	29	20	
Toluene	ug/L	ND	50	50	49.5	38.5	98	76	50-132	25	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	54.6	41.1	109	82	40-153	28	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	44.7	33.7	89	67	48-122	28	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	245	171	123	86	32-139	36	20	
Trichloroethene	ug/L	ND	50	50	52.7	40.0	105	80	50-143	27	20	
Trichlorofluoromethane	ug/L	ND	50	50	62.2	42.6	124	85	60-175	37	20	
Vinyl acetate	ug/L	ND	200	200	245	147	123	74	17-142	50	20	
Vinyl chloride	ug/L	ND	50	50	60.0	42.8	120	86	44-145	33	20	
Xylene (Total)	ug/L	ND	150	150	168	130	112	87	29-145	26	20	
4-Bromofluorobenzene (S)	%.						98	102	80-114			
Dibromofluoromethane (S)	%.						103	102	79-116			2d
Toluene-d8 (S)	%.						96	97	81-110			

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

QC Batch: OEXT/34334
QC Batch Method: EPA 3510
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB Mod
Associated Lab Samples: 5089445003

METHOD BLANK: 1008800 Matrix: Water
Associated Lab Samples: 5089445003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.50	11/08/13 14:28	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.50	11/08/13 14:28	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.50	11/08/13 14:28	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.50	11/08/13 14:28	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.50	11/08/13 14:28	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.50	11/08/13 14:28	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.50	11/08/13 14:28	
Tetrachloro-m-xylene (S)	%.	78	32-115	11/08/13 14:28	

LABORATORY CONTROL SAMPLE: 1008801

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.4	87	50-114	
PCB-1260 (Aroclor 1260)	ug/L	5	4.1	81	44-120	
Tetrachloro-m-xylene (S)	%.			83	32-115	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

QC Batch: OEXT/34357
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAH
Associated Lab Samples: 5089445001

METHOD BLANK: 1010696 Matrix: Water
Associated Lab Samples: 5089445001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2-Methylnaphthalene	ug/L	ND	1.0	11/12/13 16:47	
Acenaphthene	ug/L	ND	1.0	11/12/13 16:47	
Acenaphthylene	ug/L	ND	1.0	11/12/13 16:47	
Anthracene	ug/L	ND	0.10	11/12/13 16:47	
Benzo(a)anthracene	ug/L	ND	0.10	11/12/13 16:47	
Benzo(a)pyrene	ug/L	ND	0.10	11/12/13 16:47	
Benzo(b)fluoranthene	ug/L	ND	0.10	11/12/13 16:47	
Benzo(g,h,i)perylene	ug/L	ND	0.10	11/12/13 16:47	
Benzo(k)fluoranthene	ug/L	ND	0.10	11/12/13 16:47	
Chrysene	ug/L	ND	0.50	11/12/13 16:47	
Dibenz(a,h)anthracene	ug/L	ND	0.10	11/12/13 16:47	
Fluoranthene	ug/L	ND	1.0	11/12/13 16:47	
Fluorene	ug/L	ND	1.0	11/12/13 16:47	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	11/12/13 16:47	
Naphthalene	ug/L	ND	1.0	11/12/13 16:47	
Phenanthrene	ug/L	ND	1.0	11/12/13 16:47	
Pyrene	ug/L	ND	1.0	11/12/13 16:47	
2-Fluorobiphenyl (S)	%.	86	21-114	11/12/13 16:47	
p-Terphenyl-d14 (S)	%.	86	25-131	11/12/13 16:47	

LABORATORY CONTROL SAMPLE: 1010697

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	ug/L	10	8.5	85	29-110	
Acenaphthene	ug/L	10	9.4	94	39-117	
Acenaphthylene	ug/L	10	9.7	97	40-120	
Anthracene	ug/L	10	9.7	97	48-126	
Benzo(a)anthracene	ug/L	10	9.8	98	51-134	
Benzo(a)pyrene	ug/L	10	8.5	85	48-141	
Benzo(b)fluoranthene	ug/L	10	9.2	92	49-139	
Benzo(g,h,i)perylene	ug/L	10	7.6	76	44-134	
Benzo(k)fluoranthene	ug/L	10	8.0	80	48-140	
Chrysene	ug/L	10	9.8	98	53-136	
Dibenz(a,h)anthracene	ug/L	10	7.6	76	44-132	
Fluoranthene	ug/L	10	9.8	98	50-135	
Fluorene	ug/L	10	9.6	96	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	7.8	78	45-132	
Naphthalene	ug/L	10	9.2	92	30-112	
Phenanthrene	ug/L	10	9.9	99	47-128	
Pyrene	ug/L	10	10.0	100	50-134	
2-Fluorobiphenyl (S)	%.			88	21-114	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

LABORATORY CONTROL SAMPLE: 1010697

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Terphenyl-d14 (S)	%.			85	25-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010698 1010699

Parameter	Units	5089569019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Methylnaphthalene	ug/L	ND	21.7	21.7	18.0	19.0	83	87	16-116	6	20	
Acenaphthene	ug/L	ND	21.7	21.7	20.3	21.2	94	97	28-116	4	20	
Acenaphthylene	ug/L	ND	21.7	21.7	20.9	22.0	96	101	34-115	6	20	
Anthracene	ug/L	ND	21.7	21.7	20.2	21.2	93	97	39-121	5	20	
Benzo(a)anthracene	ug/L	ND	21.7	21.7	18.9	19.5	87	89	31-127	3	20	
Benzo(a)pyrene	ug/L	ND	21.7	21.7	15.7	15.6	72	72	10-121	1	20	
Benzo(b)fluoranthene	ug/L	ND	21.7	21.7	17.1	17.3	79	79	10-119	1	20	
Benzo(g,h,i)perylene	ug/L	ND	21.7	21.7	15.0	15.1	69	69	10-108	0	20	
Benzo(k)fluoranthene	ug/L	ND	21.7	21.7	15.4	15.4	71	71	10-118	0	20	
Chrysene	ug/L	ND	21.7	21.7	18.9	19.3	87	89	32-127	2	20	
Dibenz(a,h)anthracene	ug/L	ND	21.7	21.7	15.2	15.2	70	70	10-104	0	20	
Fluoranthene	ug/L	ND	21.7	21.7	20.6	21.8	95	100	38-131	6	20	
Fluorene	ug/L	ND	21.7	21.7	20.4	21.5	94	99	33-121	5	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	21.7	21.7	15.2	15.3	70	70	10-108	1	20	
Naphthalene	ug/L	ND	21.7	21.7	19.5	20.6	90	95	16-119	6	20	
Phenanthrene	ug/L	ND	21.7	21.7	20.9	22.1	96	101	32-130	6	20	
Pyrene	ug/L	ND	21.7	21.7	21.1	22.2	97	102	39-131	5	20	
2-Fluorobiphenyl (S)	%.						87	91	21-114		20	
p-Terphenyl-d14 (S)	%.						75	76	25-131		20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1011835 1011836

Parameter	Units	5089445001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Methylnaphthalene	ug/L	ND	20.8	20.8	17.9	18.3	86	88	16-116	2	20	
Acenaphthene	ug/L	0.73J	20.8	20.8	20.6	20.8	95	96	28-116	1	20	
Acenaphthylene	ug/L	ND	20.8	20.8	20.4	20.9	98	100	34-115	2	20	
Anthracene	ug/L	0.21	20.8	20.8	19.7	20.2	93	96	39-121	3	20	
Benzo(a)anthracene	ug/L	0.064J	20.8	20.8	16.1	16.5	77	79	31-127	2	20	
Benzo(a)pyrene	ug/L	ND	20.8	20.8	11.9	12.8	57	62	10-121	7	20	
Benzo(b)fluoranthene	ug/L	ND	20.8	20.8	13.7	14.5	66	69	10-119	5	20	
Benzo(g,h,i)perylene	ug/L	ND	20.8	20.8	10.9	11.9	52	57	10-108	9	20	
Benzo(k)fluoranthene	ug/L	ND	20.8	20.8	11.7	12.5	56	60	10-118	7	20	
Chrysene	ug/L	ND	20.8	20.8	15.5	16.2	74	77	32-127	4	20	
Dibenz(a,h)anthracene	ug/L	ND	20.8	20.8	11.0	12.1	53	58	10-104	10	20	
Fluoranthene	ug/L	ND	20.8	20.8	20.6	21.0	97	99	38-131	2	20	
Fluorene	ug/L	ND	20.8	20.8	20.5	20.9	97	99	33-121	2	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	20.8	20.8	11.3	12.3	54	59	10-108	9	20	
Naphthalene	ug/L	ND	20.8	20.8	19.5	19.7	93	95	16-119	1	20	

REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1011835 1011836

Parameter	Units	5089445001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phenanthrene	ug/L	ND	20.8	20.8	21.0	21.2	100	101	32-130	1	20	
Pyrene	ug/L	ND	20.8	20.8	20.3	21.0	96	100	39-131	4	20	
2-Fluorobiphenyl (S)	%.						90	90	21-114		20	
p-Terphenyl-d14 (S)	%.						62	65	25-131		20	

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

QC Batch: OEXT/34356
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 Water Scan
Associated Lab Samples: 5089445001

METHOD BLANK: 1010690
Matrix: Water
Associated Lab Samples: 5089445001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/L	ND	10.0	11/14/13 17:17	
2,4,6-Trichlorophenol	ug/L	ND	10.0	11/14/13 17:17	
2,4-Dichlorophenol	ug/L	ND	10.0	11/14/13 17:17	
2,4-Dimethylphenol	ug/L	ND	10.0	11/14/13 17:17	
2,4-Dinitrophenol	ug/L	ND	50.0	11/14/13 17:17	
2,4-Dinitrotoluene	ug/L	ND	10.0	11/14/13 17:17	
2,6-Dinitrotoluene	ug/L	ND	10.0	11/14/13 17:17	
2-Chloronaphthalene	ug/L	ND	10.0	11/14/13 17:17	
2-Chlorophenol	ug/L	ND	10.0	11/14/13 17:17	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	11/14/13 17:17	
2-Nitroaniline	ug/L	ND	50.0	11/14/13 17:17	
2-Nitrophenol	ug/L	ND	10.0	11/14/13 17:17	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	11/14/13 17:17	
3-Nitroaniline	ug/L	ND	50.0	11/14/13 17:17	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	11/14/13 17:17	
4-Bromophenylphenyl ether	ug/L	ND	10.0	11/14/13 17:17	
4-Chloro-3-methylphenol	ug/L	ND	20.0	11/14/13 17:17	
4-Chloroaniline	ug/L	ND	20.0	11/14/13 17:17	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	11/14/13 17:17	
4-Nitroaniline	ug/L	ND	50.0	11/14/13 17:17	
4-Nitrophenol	ug/L	ND	50.0	11/14/13 17:17	
Benzyl alcohol	ug/L	ND	20.0	11/14/13 17:17	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	11/14/13 17:17	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	11/14/13 17:17	
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	11/14/13 17:17	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	11/14/13 17:17	
Butylbenzylphthalate	ug/L	ND	10.0	11/14/13 17:17	
Di-n-butylphthalate	ug/L	ND	10.0	11/14/13 17:17	
Di-n-octylphthalate	ug/L	ND	10.0	11/14/13 17:17	
Dibenzofuran	ug/L	ND	10.0	11/14/13 17:17	
Diethylphthalate	ug/L	ND	10.0	11/14/13 17:17	
Dimethylphthalate	ug/L	ND	10.0	11/14/13 17:17	
Hexachlorocyclopentadiene	ug/L	ND	20.0	11/14/13 17:17	
Hexachloroethane	ug/L	ND	10.0	11/14/13 17:17	
Isophorone	ug/L	ND	10.0	11/14/13 17:17	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	11/14/13 17:17	
N-Nitrosodiphenylamine	ug/L	ND	10.0	11/14/13 17:17	
Nitrobenzene	ug/L	ND	10.0	11/14/13 17:17	
Phenol	ug/L	ND	10.0	11/14/13 17:17	
2,4,6-Tribromophenol (S)	%.	92	31-161	11/14/13 17:17	
2-Fluorophenol (S)	%.	34	10-67	11/14/13 17:17	
Nitrobenzene-d5 (S)	%.	87	29-126	11/14/13 17:17	
Phenol-d5 (S)	%.	18	10-47	11/14/13 17:17	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

LABORATORY CONTROL SAMPLE: 1010691

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/L	100	59.1	59	36-126	
2-Chlorophenol	ug/L	100	54.8	55	40-98	
4-Chloro-3-methylphenol	ug/L	100	59.7	60	43-113	
4-Nitrophenol	ug/L	100	ND	13	10-42	
N-Nitroso-di-n-propylamine	ug/L	100	84.2	84	43-120	
Phenol	ug/L	100	16.1	16	10-37	
2,4,6-Tribromophenol (S)	%.			93	31-161	
2-Fluorophenol (S)	%.			34	10-67	
Nitrobenzene-d5 (S)	%.			89	29-126	
Phenol-d5 (S)	%.			20	10-47	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1010692 1010693

Parameter	Units	5089569019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/L	ND	217	217	127	138	58	64	34-124	8	20	
2-Chlorophenol	ug/L	ND	217	217	132	140	61	65	34-106	6	20	
4-Chloro-3-methylphenol	ug/L	ND	217	217	143	162	66	75	41-116	13	20	
4-Nitrophenol	ug/L	ND	217	217	ND	ND	21	24	10-78		20	
N-Nitroso-di-n-propylamine	ug/L	ND	217	217	176	192	81	88	40-115	9	20	
Phenol	ug/L	ND	217	217	54.8	62.3	25	29	10-65	13	20	
2,4,6-Tribromophenol (S)	%.						93	86	31-161		20	
2-Fluorophenol (S)	%.						47	49	10-67		20	
Nitrobenzene-d5 (S)	%.						86	84	29-126		20	
Phenol-d5 (S)	%.						30	35	10-47		20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1016308 1016309

Parameter	Units	5089445001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/L	ND	208	208	126	136	61	65	34-124	7	20	
2-Chlorophenol	ug/L	ND	208	208	124	127	59	61	34-106	3	20	
4-Chloro-3-methylphenol	ug/L	ND	208	208	140	143	67	69	41-116	2	20	
4-Nitrophenol	ug/L	ND	208	208	ND	ND	18	24	10-78		20	
N-Nitroso-di-n-propylamine	ug/L	ND	208	208	177	175	85	84	40-115	1	20	
Phenol	ug/L	ND	208	208	51.8	57.5	25	28	10-65	10	20	
2,4,6-Tribromophenol (S)	%.						85	89	31-161		20	
2-Fluorophenol (S)	%.						45	49	10-67		20	
Nitrobenzene-d5 (S)	%.						85	84	29-126		20	
Phenol-d5 (S)	%.						30	34	10-47		20	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	RPD value was outside control limits for several compounds. RSW 11/13/13
2d	RPD value was outside control limits for several compounds. RSW 11/14/13
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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METHOD CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Parameter	Matrix	Analytical Method	Preparation Method
6010 MET ICP	Water	SW-846 6010B	SW-846 3010A
7470 Mercury	Water	SW-846 7470A	SW-846 7470A
8082 GCS PCB	Water	SW-846 8082	SW-846 3510C
8260 MSV	Water	SW-846 8260B	SW-846 5030B
8270 MSSV PAH	Water	SW-846 8270C	SW-846 3510C
8270 MSSV SCAN	Water	SW-846 8270C	SW-846 3510C

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAW 20405.016.008.2234.00
Pace Project No.: 5089445

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5089445003	**FAW-IDW05-110413**	EPA 3510	OEXT/34334	EPA 8082	GCSV/11712
5089445001	**FAW-MW03-110413**	EPA 3010	MPRP/12398	EPA 6010	ICP/13771
5089445001	**FAW-MW03-110413**	EPA 3010	MPRP/12471	EPA 6010	ICP/13839
5089445001	**FAW-MW03-110413**	EPA 7470	MERP/5023	EPA 7470	MERC/5364
5089445001	**FAW-MW03-110413**	EPA 3510	OEXT/34357	EPA 8270 by SIM	MSSV/13916
5089445001	**FAW-MW03-110413**	EPA 3510	OEXT/34356	EPA 8270	MSSV/13956
5089445001	**FAW-MW03-110413**	EPA 8260	MSV/59267		
5089445002	**FAW-TB14-110413**	EPA 8260	MSV/59267		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1607051

Section A Required Client Information:

Company: Weston Solutions
Address: 711 E. Monument
Dayton OH 45402
Email To: laura.funk@westonsolutions.com
Phone: 937-531-4402 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: laura.funk@westonsolutions.com
Copy To:
Purchase Order No.:
Project Name: FAW
Project Number: 20405.016.008.2234.00

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER Ohio VAP

Site Location STATE: OH

Section D Required Client Information

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	SVOC	Metals	VOC	PCB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FAW-MW03-110413	WT	G	11-4	1630				18										X	X	X			5089445-001
2	FAW-TB14-110413			11-4																	X			5089445-002
3	FAW-IDW05-110413	WT	G	11-4	1650				2													X		5089445-003
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
*sample FAW-MW03-110413 is MS/MSD	Dustin Bates	11-5	11:00		11/5/13	1105	5.8	Y	Y	Y

James Jones 11/6/13 1020

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dustin Bates
SIGNATURE of SAMPLER: Dustin Bates
DATE Signed (MM/DD/YY): 11/04/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Client Name: Weston Project # 5089445

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Date/Time 5035A kits placed in freezer _____

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used 1 2 3 4 6 A B C D E **Type of Ice:** Wet Blue None ☐ Samples on Ice, cooling process has begun

Cooler Temperature 5.8 **Ice Visible in Sample Containers:** ☐ yes ☑ no

(Corrected, if applicable)

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 11/6/13 JJ

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	6.
Containers Intact:	☑Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? **exceptions: VOA, coliform, TOC, O&G**	☑Yes	☐No	☐N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes	☐No	☐N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	10.
Trip Blank Present:	☑Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☐Yes	☑No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	12.
Sufficient Volume:	☑Yes	☐No	☐N/A	13.
Correct Containers Used:	☑Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Kenneth Hunt **Date:** 11/6/13

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: Weston

COC PAGE 1 of 1

COC ID# _____

Project # 5089445

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1	9	6							3							
2	1															
3		2														
4																
5																
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

APPENDIX F
TECHNICAL GUIDANCE DOCUMENT

TITLE: **"**Restricted" (Modified) Residential Properties[1].

DATE EFFECTIVE: January 2010

HISTORY: New addition to the Technical Guidance Compendium

KEYWORDS: Point of compliance, environmental covenant, residential land use, activity and use limitations, institutional control, engineering control, operation and maintenance, direct contact soil standards

RULE/ AUTHORITY: Ohio Administrative Code (OAC) 3745-300-07, -08, -09

QUESTION: What remedial activities may a volunteer implement to achieve VAP direct contact soil standards to support residential land uses for a shallower point of point of compliance (POC) less than 10 feet (the minimum depth for unrestricted land use)?

BACKGROUND: Based on OAC 3745-300-07(I)(1) (effective 3/1/09), a property meets unrestricted land use when residential direct contact soil standards are achieved to a minimum depth of 10 feet below ground surface. However, in some cases it may not be economically or technically feasible for residential properties to be cleaned up to the 10-foot depth for unrestricted use. In such cases, the VAP will consider a modified residential POC shallower than 10 feet, if an appropriate POC can be justified and controls added to ensure it is maintained.

ANSWER: To depart from the unrestricted residential use soil depth (10 feet) POC, a volunteer must establish and maintain a POC that supports future land use and takes into account potential exposure pathways and COCs. [OAC 3745-300-07(I)(1)(a)(i)]. Any modification of the unrestricted land use POC must be supported by property-specific information on end-use or redevelopment plans including subsurface structures and utilities. In other words, if a volunteer wishes to establish a residential direct contact POC less than 10 feet, the decision must be based on the property's anticipated end use. There must be a reasonable expectation that the modified POC is unlikely to be breached given the planned redevelopment, or the expected residential use. Only after this POC is established and it is shown that it can be properly supported should the volunteer go on to consider how this restriction is to be implemented and maintained.

[1] This guidance applies only to the direct contact soil exposure pathway for residential receptors. All other pathways must be addressed in accordance with OAC 3745-300 (e.g., vapor intrusion to indoor air, construction/excavation pathways, and/or important ecological receptors).

Direct contact soil standards for residential receptors can be met in a number of ways. First, for any property not meeting a 10-foot POC, a use restriction must be placed in an environmental covenant[2] for the property. This restriction should reflect the property use assumptions upon which the POC was established, e.g., if we concluded 2' POC is reasonable because it is unlikely there will be any digging as we are building high rise apartments, the property must be restricted to high rise apartments.

Second, the volunteer must establish the appropriate remedy needed. This can be done through construction of a physical barrier that eliminates contact with soil above applicable standards such as hard surface engineering controls or a soil cover cap. An O&M plan is necessary to see that these controls are maintained. Alternatively, the activity prohibition can also be achieved through an EC that simply prohibits regrading and/or digging deeper that the POC.

Any modification of the unrestricted land use POC must be supported by property-specific information on end-use or redevelopment plans including subsurface structures and utilities. The VAP rules dictate separate verification criteria to demonstrate the remedy is complete and the long-term obligations required for maintenance of the selected remedy.

The discussion below focuses on the most typical scenario, restricted residential use properties, where the POC is not less than 2 feet, but not greater than 10 feet. Residential land use scenarios where the POC is shallower than two feet below ground surface or the POC is 10 feet or greater below ground surface is provided in Exhibit 1. Additionally, a residential land use scenario where the POC is 10 feet or greater below ground surface is considered an unrestricted land use. This remedy option and all long term obligations are also provided in Exhibit 1.

A separate determination that applicable standards are met is needed for other soil exposure pathways, such as construction / excavation activity or vapor intrusion, and for exposure to COCs in other environmental media at the property, such as surface water or ground water. Important ecological resources, if present at the property, need to be assessed in accordance with OAC 3745-300-08 and 09.

2 Use restrictions are termed institutional controls or "activity and use limitations" under Ohio's Voluntary Action Program (VAP). For sites seeking a covenant not to sue, activity and use limitations are established under an environmental covenant.

"Restricted" Land Use Scenario (POC greater than two feet but less than 10 feet)

Examples:

- Restricted residential uses - condominiums, apartments, and/or slab-on-grade residential developments with potential exposure pathways to soil.

Point of compliance[3]*:*

- No less than two- feet and no greater than 10 feet below ground surface. Soil from ground surface to two feet below ground surface must meet residential direct contact soil standards. A justification based on site-specific criteria is required to establish and maintain the property-specific POC. An elevation survey is required by VAP to document the POC pursuant to OAC 3745-300-07(J)(14) and OAC 3745-300-11(E)(1)(c)(iii).

Typical scenario:

- Residential uses with associated green space (e.g., lawns, parks, landscaped areas, recreational areas, backyards) with contaminated soil below the POC.

- Expectation that soil may be excavated within or below the applicable POC for activities such as landscaping or maintenance of infrastructure, like utilities. Once any excavation activity is completed, the soil barrier must be restored to maintain the POC in accordance with OAC 3745-300-07(I)(1)(a).

Environmental covenant requirements:

- Establishes activity and use limitations - restricting property to a prescribed land use. The environmental covenant declares that a central management entity is responsible for site construction and maintenance, fence installation and other activities that may result in disturbance of soil at the property.
- The volunteer or property owner must maintain compliance with the activity and use limitations prescribed in the environmental covenant.

[3] Point of compliance in this scenario is the reasonably anticipated depth to which a resident might be expected to dig.

Remedial options:

OPTION 1	OPTION 2
An O&M plan, comprised of maintenance of an engineering control or other protective soil barrier[4] to eliminate direct contact with soil above residential standards is required. Environmental covenant that establishes activity and use limitations - restricting the property to a prescribed land use and prohibiting fee simple, single family homes or duplexes, or 'stand alone' dwellings that are not condominium property pursuant to Ohio law. The environmental covenant declares that a central management entity is responsible for site construction and maintenance, fencing and other activities that may result in disturbance of soil at the property. A risk mitigation plan may be included that would allow excavation below the point of compliance. Provisions in the risk mitigation plan must contain language which provides that the engineering control will be replaced following excavation activities.	An environmental covenant including activity and use limitations to maintain the POC and prevent exposure to contaminated soil below the POC.[5] This option eliminates reliance on engineering controls or other barrier to prevent exposure below the POC. Examples of what the environmental covenant should require include the following: • An excavation depth restriction, which prohibits excavation below the POC. • Excavation of soil within the applicable POC may occur for activities such as landscaping or maintenance of infrastructure, but once any excavation activity is completed, the soil barrier must be restored to maintain the POC in accordance with OAC 3745-300-07(I)(1)(a). • Prohibition against subsurface structures including basements and utilities below the POC. **NOTE**: This remedy is not suitable for properties that may undergo re-grading below the point of compliance or rely on a risk mitigation plan to comply with the demonstration of applicable standards. **Non compliance with the environmental covenant will result in an automatic voidance of the covenant not to sue (CNS).**

[4] Soil used as a barrier to underlying contaminated soil can constitute an engineering control. VAP statute ORC 3746.04(B)(2)(a)(iii) refers to engineering controls that contain or control the release of hazardous substances… in order to comply with applicable standards. Soil left in place for use as a protective cap can be considered an engineering control by its use and reliance as a barrier to COCs in soil.

[5] The effectiveness of relying on activity and use limitations as the sole remedy for the property to maintain compliance with direct contact soil standards requires a site-specific evaluation of anticipated land uses.

***Long-term obligations*:**

OPTION 1	OPTION 2
1. Requires regular O&M (and risk mitigation plan, if needed) reporting requirements to the Agency on efficacy of engineering control cap (and implementation of RMP, if present). 2. Breach of the cover or exposure to contaminated soil below the POC without the use of a risk mitigation plan triggers non-compliance with applicable standards. The O&M plan provides the 'opportunity-to-cure process', pursuant to Ohio Revised Code (ORC) 3746.12(B), for the volunteer or central management entity that is responsible for the O&M activities to return the property to compliance. 3. Maintain compliance with the activity and use limitations prescribed in the environmental covenant.	1. Maintain compliance with the activity and use limitations prescribed in the environmental covenant. 2. No O&M plan is required. However, without an O&M plan, violation of an activity and use limitation in the environmental covenant triggers automatic voidance of the CNS pursuant to ORC 3746.05. There is no 'opportunity-to-cure process' under ORC 3746.05.

SUMMARY: Restrictions must be placed on residential properties that do not meet direct contact soil standards within the 10-foot POC specified by OAC 3745-300-07(I)(1) (eff. 3/1/09) or in prior rule versions. The remedy at these "restricted" residential properties is guided by a combination of the final POC and anticipated [or desired] land use and activities. Associated benefits and uncertainties are associated with each potential remedy as described in this guidance. It is up to the volunteer to determine which remedy best suits the needs of the final use of the property.

OHIO EPA CONTACT: For any questions concerning this issue, please contact the VAP central office at (614) 644-2924.

EXHIBIT 1

Scenario discussions herein correspond to the schematic in Exhibit 2 where soils do not meet direct contact residential soil standards within two feet of ground surface (Scenario A) or the POC is 10 feet or greater (unrestricted land use) below ground surface (Scenario C).

Scenario A: Condominiums or apartments, with maintenance of an appropriate cap such as a hard cover barrier (i.e., pavement or concrete) and no exposed soil

Direct contact soil point of compliance:

- Shallower than two feet below ground surface.

Typical scenario:

- Downtown urban areas where there are no associated green spaces (e.g., lawns, parks, recreational areas, landscaped areas, recreational areas, backyards) except for those supported by a protective pavement or concrete cap or barrier to underlying soil exceeding direct contact soil standards.
- There is no opportunity for residential receptors to come into contact with soil.

Remedy:

- O&M plan comprised of maintenance of a pavement cap, concrete cap, or building slab that eliminates contact with soil above applicable standards.[6]
- Environmental covenant that establishes activity and use limitations - restricts the property to a prescribed land use and prohibits fee simple, single family homes or duplexes, or 'stand alone' dwellings that are not condominium property pursuant to Ohio law. The environmental covenant declares that a central management entity (e.g., homeowner/condo association) is responsible for site construction and maintenance, fencing and other activities that may result in disturbance of soil at the property.

6 A protective cap would be some type of competent barrier such as a concrete or asphalt engineering control that prevents contact with underlying soil.

Long term obligations and risks:

- Regular O&M plan and risk mitigation plan (if present) reporting requirements[7] to the Agency.
- Compliance with activity and use limitations prescribed in the environmental covenant must be maintained.
- Breach of the cap or exposure to contaminated soil below the POC triggers non-compliance with applicable standards. The O&M plan provides the 'opportunity-to-cure process', pursuant to ORC 3746.12(B), for the volunteer or central management entity that is responsible for the O&M activities to return the property to compliance.
- Violation of an activity and use limitation (i.e., non-compliant land use) triggers the automatic voidance of the CNS pursuant to ORC 3746.05.

Scenario C: Single or multi-family dwellings, and/ or unknown residential land use (unrestricted land use)

Direct contact soil point of compliance:

- Applicable standards are met in soils from the surface to 10 feet or greater below ground surface.

Typical scenario:

- Fee simple single or multi-family homes, sub-divisions or unknown residential land use.
- Expectation of residential receptors excavating soil to any depth.
- Whenever unrestricted land use is desired by the volunteer.

Remedy:

- None required to comply with direct contact standards for soil.
- Note that if COCs in another environmental media at the property should exceed standards, a remedy may be needed to comply with those standards.

Long term obligations/risks:

- None, unrestricted land use allows for no long term obligations.

7 It is desirable to have one entity accept responsibility for maintenance of the O&M plan and/or the environmental covenant. This is because implementation of the O&M obligations or compliance with the environmental covenant by individual homeowners would be difficult to verify by the Agency, as well as cumbersome for individual property owners (e.g., annual reporting to the Agency).
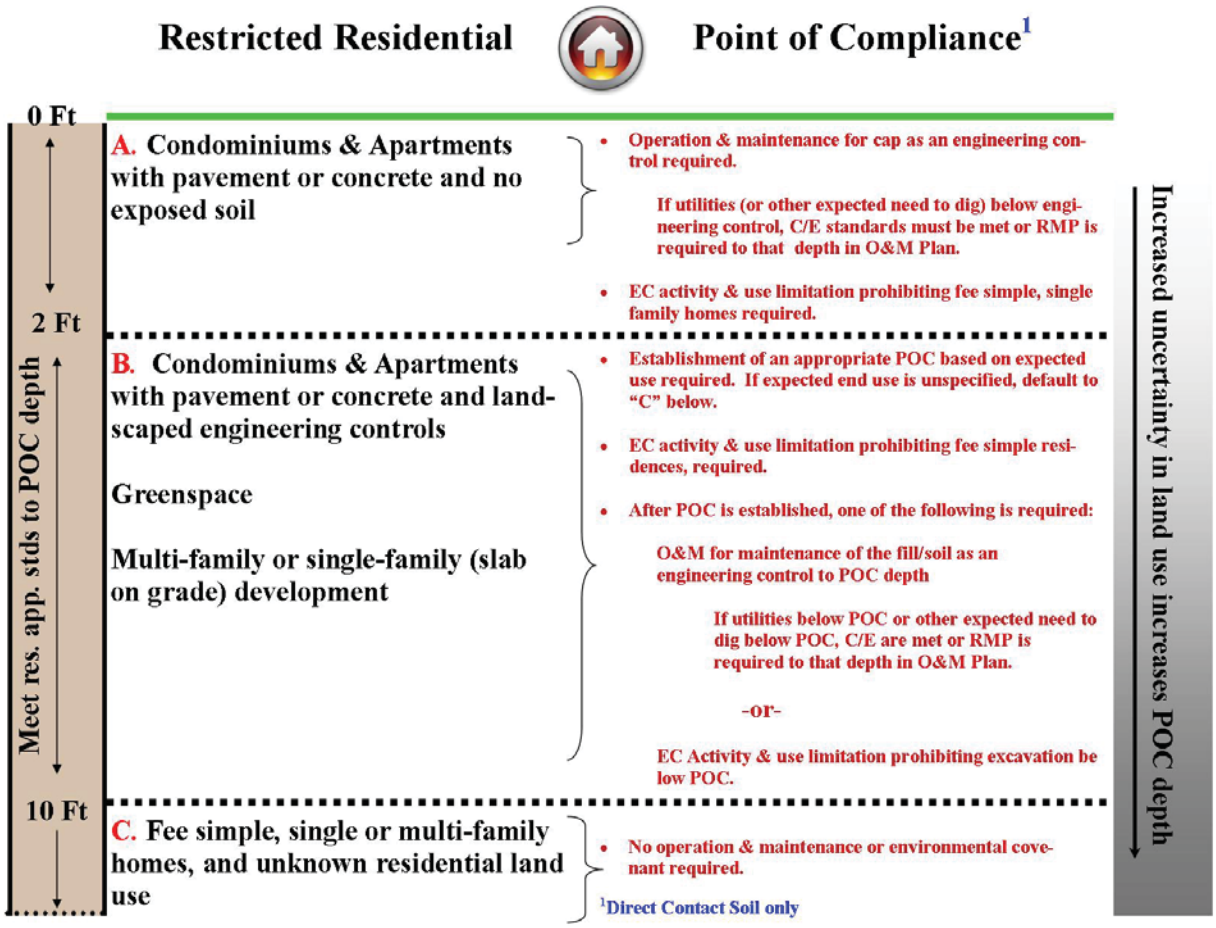
Exhibit 2. Restricted Residential Point of Compliance Schematic