ENVIRONMENTAL EVALUATION
CORNING/AVX FACILITY
3900 ELECTROINCS DRIVE
RALEIGH, NORTH CAROLINA

Prepared for:

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Mid-Atlantic Job Number: 000R2678.00

September 3, 2015

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Subject: **ENVIRONMENTAL EVALUATION**
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Dear Ms. Parker:

Mid-Atlantic Associates, Inc. (Mid-Atlantic) appreciates the opportunity to assist the Wake County Board of Education (WCBE) with its evaluation of the above-referenced site as a potential future high school site. In accordance with Purchase Order 176437, Mid-Atlantic has evaluated environmental conditions at the subject site based on assessment activities described herein, information provided by WCBE and documents reviewed at the North Carolina Department of Environment and Natural Resources CARA^3 (NCDENR) online database.

BACKGROUND

The subject site is the former Corning/AVX site located at 3900 Electronics Drive (PIN #1715781482; REID #0014961) in Raleigh, North Carolina. As a result of past operations at the site by Corning (and potentially AVX Corporation), soil, groundwater and surface water on portions of the site have been impacted by chlorinated solvents and other volatile organic compounds (VOCs). In addition, based on environmental data currently available, returning the site to 'pristine' predevelopment conditions is not technically or financially feasible. Therefore, the WCBE has submitted an application for the subject site to be entered into the North Carolina Brownfields Program (Program). The principle reason for entry into the Program is to develop to determine the appropriate levels of assessment and remediation necessary to render the subject site safe for reuse as a high school by implementing risk-based remedial strategies.

PURPOSE

Working through the process of developing a Brownfields Agreement and the assessment and remedial activities required to support the agreement can be a lengthy process. There are mechanisms in the Program to expedite the process, but on complex sites such as the subject site, the process can still require months to complete. Real estate transaction timelines are many times not compatible with the timelines ot the Program. Thus, buyers of properties with environmental impairments often need to estimate the requirements of the Program prior to purchase of the property. Addressing environmental issues to render a site safe for reuse, even when applying risk-based strategies can often be costly. These costs must be understood well enough to determine the projects ultimate financial viability. A *Preliminary Environmental Evaluation* letter report dated June 9, 2015 was developed by Mid-Atlantic initially to assist WCBE with the evaluation of the subject site. While developing the June 9, 2015 letter report significant gaps in the environmental data in relation to potentially completed exposure pathways were identified. Assessment activities described in this report were intended to address some of the data gaps. The purpose of the activities described herein is to assist the WCBE in its evaluation, with respect to environmental contaminant exposure issues, of the viability of redeveloping the subject site as a high school.

Note: Both time and budgetary constraints precluded conducting all assessment activities required to completely address all the data gaps identified in the June 9, 2015 letter report.

ASSESSMENT ACTIVITIES SUMMARY

Manufacturing Processes

Mid-Atlantic conducted an evaluation of manufacturing processes in an attempt to identify the types of chemicals used and the location the identified chemicals were used on the subject site. Typically this type of evaluation would be conducted prior to completing field activities. However, due to time constraints the evaluation was conducted concurrently with field activities. Details of our findings are included as Exhibit A to this report. Mid-Atlantic attempted to conduct interviews with AVX employees familiar with operations at the subject site, but we received no responses to our inquiries.

The information gathered while assessing the manufacturing process along with the data available on the previously known solvent release were used to determine media to be sampled, the sample locations and the tests required for each sample. The results of these sampling activities are discussed briefly below.

Soil

Initially Mid-Atlantic developed a soil sample collection and testing plan that focused on assessing soil for the presence of VOCs and semi-VOCs (SVOCs) in soil surrounding a known source area (dry well discussed in the June 9, 2015 letter report). This work was conducted to confirm that soil remediation by excavation conducted in the 1980's was complete by contemporary standards. In addition, soil sampling was conducted along the back side of the main manufacturing building since this area appeared to be a 'convenient' area to dispose of nuisance wastes or other releases from the manufacturing processes. A total of 13 soil samples were planned (Exhibit B). After reviewing

information on the types of manufacturing processes conducted at the subject site, metals sampling in near-surface soils at 12 locations was added to the soil assessment design (Exhibit B).

A total of 25 soil samples were analyzed for VOCs, SVOCs and/or metals. One sample contained a target compound in excess of a North Carolina Department of Environment and Natural Resources (NCDENR) Residential Health-Based Soil Remediation Goal (SRG). Barium, which was used in various manufacturing processes, was detected in a near-surface soil sample collected along the rear of the main building at a concentration of 4,300 milligrams per kilogram (mg/kg) exceeding the health-based SRG of 3,000 mg/kg.

The data previously reviewed and collected during this assessment do not suggest wide-spread near surface or subsurface soil contamination above health-based SRGs at the subject site (please note that soils beneath building floors have not been evaluated). Potential exposure to the barium-containing soil identified near the building (during construction and post redevelopment) can be addressed in an Environmental Management Plan (EMP). An EMP is typically required by the Program and is referenced in the Brownfields Agreement.

Groundwater

Groundwater assessment was conducted to: a) better estimate the width of the plume of solvents dissolved in groundwater along the property line near Atlantic Avenue (east side of the subject site); b) to assess the northwestern (up gradient) extent of the known solvent contaminated groundwater; and c) to evaluate for the presence of contaminants in the groundwater directly behind the manufacturing building. A total of four groundwater monitoring wells were constructed and sampled in an attempt to achieve these goals (Exhibit C).

A deep and shallow well pair were constructed adjacent to Atlantic Avenue approximately 200 feet north of the point the on-site stream crosses under Atlantic Avenue. The data from these wells indicates that shallow groundwater meets North Carolina Groundwater Quality Standards (NCGQS) but the sample collected from the deep well exhibited Trichloroethylene (TCE) at 280 micrograms per liter (ug/l), which exceeds the NCGQS of 3 ug/l. Tetrachloroethylene was also detected in the sample collected from this well (2.2 ug/l) at a concentration exceeding its NCGQS of 0.7 ug/l. These results suggests that the width of the plume at the subject site's eastern boundary is significantly wider than indicated in historic groundwater monitoring reports associated with the subject site. These data also indicate that the width of the plume in this area, in the deeper portion of the shallow aquifer remains undefined.

Previously existing well MW-1A is located hydraulically up gradient of the known solvent release source area (dry well), but samples from this well have consistently exhibited solvents. A groundwater monitoring well was constructed up gradient from this well, further up gradient from the known source area. Groundwater collected from this new well (MW-15A) exhibited TCE at a concentration of 250 ug/l, which is less than that recently detected in samples collected from MW-1A (420 ug/l), but still exceeding the NCGQS of 3 ug/l. The data from these wells suggests that there may be an additional source of solvents in groundwater northwest of the known dry well source. The nature of this additional potential source is uncertain, but it may be emanating from the southwest portion of the manufacturing building.

The third area of assessment was along the back (southern) edge of the manufacturing building. Trichloroethylene was also detected in the sample collected from this area (MW-16A), but it was at a concentration below NCGQS.

Collectively these new data do not change the on-site exposure pathways described in the June 9, 2015 letter report. Direct exposure to contaminants via contact with or consumption of groundwater does not appear likely at the subject site. However, the data shows that the plume along the eastern property boundary in the deeper portion of the aquifer is wider than previously estimated and that the width of the plume in this area remains undefined.

Vapor Intrusion/Indoor Air Quality

In order to evaluate the vapor intrusion conditions at the main building on the subject site, Mid-Atlantic collected 40 sub-slab soil gas samples within the building (Exhibit D). The results identified ten chlorinated solvent and petroleum related compounds in concentrations exceeding Sub-Slab Soil Gas Residential Screening Levels established by NCDENR. Trichloroethylene was of particular interest because it was detected in all 40 samples collected. This compound was detected in 29 of the 40 samples at concentrations exceeding its Residential Screening Level of 13.9 micrograms per cubic meter (ug/m^3). The highest concentration of TCE detected was 880,000 ug/m^3 (greater than 63,000 times the Residential Screening Level) and 12 of the samples collected exhibited TCE concentrations over 1000 times the Residential Screening Level. The presence of TCE in the sub slab soil gas at the concentrations described above indicates that vapor intrusion into the main building at the subject site is likely. Trichloroethylene is a particular interest because EPA believes it can cause cardiac malformations in fetuses if women are exposed during the first trimester of pregnancy.

Systems used to mitigate vapor intrusion typically entail sub slab depressurization. For the subject site, this depressurization would be required over an area of approximately 120,000 ft^2. Evaluation of available construction drawings did not yield much information on how the building floor slabs were constructed. There were many trenches and sumps as well as evidence of a few sub-slab piping systems identified during sampling activities. These structures complicate the implementation of sub-slab depressurization systems. In addition, the basement is essentially open to bare earth around three sides of its perimeter (this is mostly hidden by partition walls). Therefore, vapor intrusion into the basement from these steeply sloped earthen walls would also need to be addressed with barriers and/or depressurization systems as well. The design, construction and operation of a vapor intrusion mitigation (VIM) system at the subject site would be very challenging.

Evaluation of the inhalation exposure pathway is further complicated by the potential that VOCs (including those identified in the sub-slab samples), have been absorbed into the walls and floors at the facility. This presents the potential for vapors to be emitted into the indoor air from these secondary sources. We observed numerous areas throughout the facility where it appeared that industrial processes had resulted in residuals being left on floors, walls and ceilings.

Due to the proposed future use of the subject site as a high school, the target indoor air quality concentration is the Residential Indoor Air Screening Level of 2 ug/m^3 for TCE. Post construction indoor air testing will likely be required to demonstrate that indoor air concentrations of TCE (as well as the other nine compounds detected in concentrations exceeding their Residential Sub-slab Soil

Gas Screening Levels) do not exceed their respective Residential Indoor Air Screening Levels. To accomplish this a VIM system would need to adequately interrupt the vapor intrusion pathway and any residual indoor air sources would need to be remediated/removed.

With respect to vapor intrusion mitigation/indoor air quality at the subject site, the following attributes apply:

- Very high contaminant concentrations spread over a large area;
- Complex and difficult physical setting to construct and operate a VIM system;
- Potential secondary sources within the building structure;
- Challenging performance criteria; and
- Large capital invest before testing can confirm a safe indoor air environment.

Given these attributes, a successful renovation of the existing structure (including installation of a VIM system) is a risky proposition with no confirmation of success (or failure) until post construction indoor air sampling is complete.

Asbestos

On July 16 and 17, 2015 an asbestos containing material (ACM) survey was conducted by Vision Environmental Services, LLC (Vision) at the subject site on behalf of Mid-Atlantic. During the assessment 85 bulk samples were collected and 129 analyses were conducted. A material is considered to be asbestos containing if it contains greater than 1% asbestos. Asbestos was identified in concentrations greater than 1% in 34 of the samples. The majority of the asbestos identified is associated with floor tile and floor tile mastic. Based on Vision's assessment, approximately 130,000 ft^2 of asbestos-containing floor tile and/or mastic are present at the subject site (Exhibit E). If the structure is planned for reuse or demolition, the identified ACM will need to be removed and disposed properly.

Lead Based Paint

On July 18 and 19, 2015 a lead-based paint inspection was conducted by Vision at the subject site on behalf of Mid-Atlantic. During the inspection 333 paint samples were analyzed. Lead-based paint was identified on exterior window panels, interior sliding doors and jambs/casings and boiler room piping (Exhibit F). If these components are to be removed during renovations, they can be disposed as ordinary construction debris. Likewise, if the entire structure is to be demolished, these materials can be managed as ordinary construction debris. However, if these materials are to be stripped of the lead-based paint, then a specialty abatement contractor would be required.

Mold

The main building's heating, ventilation and air conditioning (HVAC) systems are not operational. In addition, the roof has failed on the main building in many locations which has permitted entry of water into the building envelope. After a rain event, standing water in excess of one inch deep can accumulate in the building, particularly in the office areas on the north side of the building. As a result of these conditions, mold is present throughout the main building. Testing for the presence of mold was not warranted, since its presence was evident by olfactory and visual means. Handling and

disposal of molding building materials is not a regulated activity. If reuse of the structure is planned, demolition contractors will need to be made aware of site conditions. Workers removing molding building materials should wear respiratory protection while conducting activities that disturb moldy materials. Moldy building materials can be disposed as ordinary inert construction debris.

Surface Water

As discussed in the June 9, 2015 letter report, the assessment data collected at the subject site indicates that chlorinated solvents enter the surface water feature (stream) at the subject site. The data suggests that the groundwater that enters the on-site stream contains chlorinated solvents, creating a potential human exposure pathway. Preventing the solvents from entering the stream is an ideal way to address the issue. However, this approach will likely require years to become effective. Again, as discussed in the June 9, 2015 letter report, preventing access to the stream appears to be an immediately effective approach to preventing human exposure to the solvents detected in the stream.

Industrial Cleaning and Decommissioning

The building has a long history of manufacturing use including plating operations, waste water pretreatment and lead dust producing activities. As previously stated, these types of uses have left residuals on the floors, walls and ceilings of manufacturing areas. If the building is planned for reuse, workers in these areas could be exposed to residual chemicals during redevelopment. Sampling would be required to determine if exposure is an issue. Sampling of interior surfaces was not included in the scope of this project, therefore the potential for worker exposure is uncertain. Manufacturing residuals could also impact post construction indoor air quality. If the building is going to be re-used, an industrial cleaning of numerous areas is recommended to help alleviate potential exposures to workers and future occupants.

The building also contains a labyrinth of industrial piping. Piping associated with wastewater pretreatment, plating processes, industrial ventilation systems and sand blasting (which produced a lead-containing waste) were identified within the building. These systems may contain residual chemicals and therefore may require management by specialty demolition contractors. The use of specialty contractors is not warranted for HVAC systems, potable and domestic wastewater systems.

EXPOSURE PREVENTION

On-site Exposure Prevention

<u>Soil and Groundwater:</u> Potential exposure to solvent-impacted soil and groundwater appears to be primarily an issue during redevelopment construction activities. These potential exposures can be managed through an EMP developed for the subject site. The EMP is also designed to outline a series of safety-related actions to be implemented in the event an unexpected environmental issue arises. The area of near surface soil exhibiting barium in excess of its Residential Health Based SRG will require special attention. However, this area appears to be isolated and depending on final redevelopment plans can be addressed by a small removal action or placement of a simple earthen or pavement barrier over the area.

Surface water: Prevention of exposure to surface water in the on-site stream appears warranted. Fencing or piping the stream appear to be viable options to prevent exposure.

Vapor Intrusion/Indoor Air Quality: Based on the high levels of VOCs detected in the sub-slab soil gas samples, uncertain conditions beneath the slab as they relate to VIM system construction, and the potential for residuals to contribute to indoor air contaminants, reuse of the existing structure is a risky proposition and not recommended. Constructing preemptive vapor intrusion mitigation systems at new structures may be warranted given the industrial use history of the subject site. Constructing preemptive vapor intrusion mitigation system at new structures is a cost efficient approach to addressing potential vapor intrusion conditions.

Off-site Exposure Prevention

Currently the data does not indicate that there is an existing completed exposure pathway at the neighborhood adjoining the subject site. However, the data suggests that the solvents dissolved in groundwater are migrating toward the neighborhood and thus future exposure is possible. Since the reduction of the off-site migration of solvent-impacted groundwater is desirable, a permeable reactive barrier along a portion of the eastern subject site boundary could be constructed using insitu injection technology. The barrier can be used to 'treat' the solvent-impacted groundwater by chemical and biological means as it flows from the subject site. The assessment data collected during this body of work provided additional data on the width of the dissolved solvent plume, but it did not define the extent of the plume. Prior to construction of the barrier, the extent of the plume would need to be defined. To improve the long term effectiveness of this type of approach, source area remediation using a similar insitu injection technology is also recommended.

COST CONSIDERATIONS

Cost considerations were discussed in the June 9, 2015 letter report. One of the objectives of the studies conducted during development of this report was to provide additional cost data associated with environmental issues identified at the subject site. The costs outlined below are still preliminary, but are now more complete.

Soil

An area of near surface soil with elevated barium was identified along the southern edge of the main building. It is presumed that this building will be demolished and the area filled to grade. If these activities occur, this area of concern will be under fill that can serve as a barrier to exposure.

Incremental Cost $0

Groundwater

A permeable reactive barrier using ABC+® will be constructed parallel to the eastern property boundary for a length of 400 feet. The barrier will average 60 feet deep and will include 17 injection wells screened over three intervals each. In addition, four injections wells of similar

construction will be constructed in the source/hot spot area. These wells will also be used for the injection of ABC+®.

Estimated Cost $300,000

Vapor Intrusion

A preemptive vapor intrusion system will be installed during the construction of a new school building. Assuming the new school building will have approximately the same square footage as the existing manufacturing building, but will be a three story building, the foot print is assumed to be approximately 70,000 ft^2. Note: Costs typically range from $1.50 to $5.00 per square foot ($3.00 was used in the estimate).

Estimated Cost $210,000

Asbestos

Removal and disposal of approximately 130,000 ft^2 of asbestos containing floor tile and mastic and well as other mastic containing asbestos.

Estimated Cost $300,000

Lead-Based Paint

Lead paint was identified on several surface types at the subject site. However, it is presumed that the building will be razed and therefore no special handling of these materials will be required.

Incremental Cost $0

Surface Water

Construct a fence to prevent access to the stream.

Estimated Cost $40,000

Industrial Decommissioning

Razing of the building will preclude the need to decontaminate wall surfaces within the main structure. However, decommissioning of the industrial piping systems should be conducted by a specialty contractor experienced and trained to manage the contents of these piping systems. The extent of this systems is uncertain. Portions of it are obscured by other structures. For estimating purposes, we have assumed 5,000 feet of piping.

Estimated Cost $180,000

CLOSING

We appreciate the opportunity to present this evaluation to the Wake County Board of Education. We would also like to remind you that prior to taking title to this property, it would be advisable to conduct a Phase I Environmental Site Assessment. This is one step in providing you the Superfund liability protection afforded under 40 CFR Part 312 and would most likely be required by the Brownfields Program. If you have any questions or need additional information, please feel free to contact us at 250-9918.

Sincerely,

MID-ATLANTIC ASSOCIATES, INC.

Daniel H. Nielsen, PE
Principal Engineer

Darin M. McClure, PE
Principal Engineer

Exhibits A through F

DHN/DMM/bro

EXHIBIT A

OPERATIONS REVIEW

Mid Atlantic
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EXHIBIT A

Corning Glass Works (Corning) and then AVX Corporation (AVX) manufactured electrical capacitors at the subject site from 1962 to approximately 2008. Most operations were completed in the main building (main plant), assigned by the City of Raleigh with an address of 3900 Electronics Drive. A second large building was located approximately 500 feet to the south and was used for research laboratories and offices, according to old floorplans found for the building. This second building, referred to alternatively as the "3800 Building" or "Research Building" by Corning and AVX, was razed between 2010 and 2011. The former building was assigned an address of 3800 Electronics Drive. The occupancy period for the 3800 Building is not known; however, one sketch map from 1980 contained in an EPA hazardous waste permit application shows the building as unoccupied (Behm and Gress, 1980). Smaller buildings were located to the south of the main plant and included a chemical storage building for virgin solvents (Law, xxxx) and a small equipment and vehicle repair garage. A chemical storage building was also located to the north of the 3800 building.

Mid-Atlantic completed interviews and research, in addition to extensive walk-throughs of the main plant building, to obtain former land use, production and waste generation information in order to design our assessment plan and determine sampling locations. As previously stated, extensive assessment and remediation activities were completed by others to the south of the building near a "dry well" where chemicals were released in 1987. However, little soil and groundwater assessment work (to our knowledge) had been completed adjacent to the south of the plant near several contaminant sources including wastewater settling tanks, the machine shop, the boiler room, former fuel oil above ground storage tanks and the plating department. Our research pertained to evaluating what operations and wastes were produced inside the building, primarily on the basement level, and what wastes were shipped from the building. We attempted to contact three former and current employees with AVX, now headquartered in Fountain Inn, South Carolina. In addition, Mid-Atlantic asked the Real Estate Division of the Wake County Public School System to assist in obtaining information from AVX. A response from AVX was not received based on these inquiries; therefore, our assessment plan was designed based on: (1)review of engineering plans, site drawings and company documents found remaining within the building; (2) research of hazardous waste-generating information under the Resource Conservation and Recovery Act (RCRA) from the North Carolina Division of Waste Management (DWM); (3) research of hazardous waste generating information under RCRA from the United Stated EPA Toxic Release Inventory System (TRIS) and Facility Registry Service (FRS) internet sites; (4) interviews and correspondence with the City of Raleigh Industrial Pretreatment Coordinator (Mr. Ryan Faw) regarding permits previously held by the facility for wastewater treatment; and (5), correspondence with the Wake County Emergency Management Office regarding

documents on file with the department. References cited in this exhibit are listed at the end (Section 3).

1. Manufacturing History, Waste Producing Processes and Hazardous Waste Management

In 1987, Corning sold their plant to AVX Corporation. A pamphlet, *AVX Corporation Anniversary Edition, Raleigh Plant…First 25 Years*, included a collection of articles by active and retired employees. Mr. Bill Ferrell wrote an article "A 25 Year Perspective" which indicated that the plant opened in July 1962 after Corning constructed the plant to manufacture glass dielectric capacitors. In the early 1960s, most of their manufactured product was for the military. In 1971, Corning entered the commercial ceramic market and manufactured ceramic capacitors from barium titanate. In 1975, the plant manufactured 25 million ceramic capacitors. By 1984, they were manufacturing 780 million pieces.

Corning documents from 1962 and 1963 indicated the following pertinent building information, manufacturing procedures and equipment

Item Mentioned	Information	Source
Floor Tile	Vinyl asbestos tile flooring installed in new plant	Administrative Services Department, *1962 Progress Report*
Plating process	Automatic tinning machines and startup of Gold Plating Operation	Process & Quality Engineering Department, *1962 Progress Report*
Finishing Line	An automatic finishing line started up which included acid bright dip followed by water rinse then plating then three rinse tanks then a drying oven. An acid neutralization system was installed to handle wastes	Process & Quality Engineering Department, *1962 Progress Report*
Replacement Cleaner for hot ammonium chloride	"ABCO" Cleaner replaced hot ammonium chloride and is being used in our automatic lead cleaning facilities	Process Improvements, *1962 Progress Report*
Chemical Stripper	A chemical stripper is now used to remove solder from capacitor leads	Process Improvements, *1962 Progress Report*
Silk Screening	Purchase of a new machine, then "eliminated silk screening"	Departments CYFM10 and CYFM15, *1963 Production Report*

Mr. Blake Manuel of Corning reported to a State Official that Corning had no knowledge that hazardous wastes or substances regulated under RCRA or CERCLA were treated, stored, disposed of or released from the facility between 1962 and 1980 (Manuel, 1985). A January 1982 inspection report completed by Mr. Larry Perry of the N.C. Solid & Hazardous Waste Management Branch (SHWMB, precursor of the Division of Waste Management), stated that the Corning facility had one environmental permit (an air permit) prior to the start of regulation under RCRA. In January 1982, Mr. Perry indicated that the company produced three types of electronic products including (1) Monolithic ceramic capacitors, (2) Glass encapsulated capacitors and (3) Delay lines and memory products assemblies. Corning was a generator of halogenated solvents (EPA waste codes F001 and F002), non-halogenated solvents (F003), electroplating waste (F007), lead waste (D008), non-listed ignitable waste (D001), non-listed corrosive waste (D002), ethyl acrylate (U113) and methyl methacrylate (U162). Corning also generated waste oil from operations. The hazardous waste generated at the facility was collected and stored in 55-gallon drums. Mr. Perry noted that the facility had made several shipments back to November 1981 and manifest information was in order (Perry, 1982). In January 1982 the Corning facility was cited for record-keeping violations related to needing a waste analysis plan, personnel training records, an evacuation plan and for not sending contingency plans to local emergency response agencies. Attached to the inspection summary was a 1980 hazardous waste summary. The top seven waste streams produced in 1980 included Freon TMC (F001/F002) - 2,250 gallons, “Batch” (V113, V162) - 1,500 pounds, ground glass particles (D008) - 1,400 pounds), slurry/waste oil (non-hazardous) - 1,000 gallons, xylene (F003) - 750 gallons, acetone (F003) - 600 gallons and solder paste (D008) - 500 pounds.

Additional hazardous waste inspection reports were reviewed from 1986, 1990, 1991 and 1992. In 1986, the facility generated cutting waste containing barium, slurry, glass waste containing lead and xylene solvent. The 1990 and later inspection reports state the facility as producing multiple layer ceramic and glass capacitors. Additional waste streams are listed on the reports including waste flammable liquid (D001, F003/F005), waste Freon SMT (F001), 1,1,1-trichloroethane (F002), liquids and solids containing barium (D005), solids containing lead (D008), waste nickel filters and baths (F006/D008), hazardous waste solid (F006) and solvent wipes (F003/F005).

Inspection reports starting in 1993 and 1994 provided detailed information about the facility processes creating wastes and the manufacturing areas/rooms where hazardous waste was stored. In 1993 and 1994 the facility produced the following waste streams:

Form of Waste	Description of Process and (waste)	Waste Codes
"Dicing scraps" (solid)	From ceramic capacitor manufacturing (barium)	D005
Sludge	From wastewater settling tanks in the ceramic milling process (barium)	D005
"Batching" liquids	Ceramic capacitor manufacturing (barium)	D005
Filters and Plastic Liners	From ceramic batching process (barium)	D005
Wastewater Treatment Sludges (solid)	From Grinding (barium)	D005
Off-specification Glass Capacitors	From manufacturing (lead)	D008
Carbon paste waste	From Silk screening operation (barium)	D005
Filter media (solid)	From wastewater treatment process (lead)	D008
Filter press cake (solid)	Wastewater from capacitor manufacturing (lead)	D008
Electroplating baths (spent, off-spec)	From capacitor plating operation (tin and lead)	D008
Stainless steel conductivity media	From capacitor plating operation (lead)	D008
Wastewater treatment filter plus sludges	From capacitor plating operation (nickel)	F006
Ignitable, mixed non-chlorinated solvents, oils	Used in degreasing, cleaning operations	D001, F003, F005
Spent methylene chloride	Used as epoxy adhesive solvent in capacitor manufacturing process	F001
Absorbent pillows, booms and debris	From cleanup of miscellaneous spills of solvent and oils	F003, F005

Areas of the plant where hazardous waste was generated or accumulated in 1993 and 1994 included the Glass Line (D001 waste), salvage collection area (F003/F005), the basement/boiler room area (F003, D011), Dust Collection area (D001), Carbon Paste Batch Area (D005), Ceramic Batch Area (D005), Silk Screen Room (F001), Engineering Model Shop (D005), Hazardous Waste Storage Area in basement (D008), Wastewater Treatment (D005, D008), Plating Department (D008) and the Plating Wastewater Treatment Area (F006). In 1993, the inspection report noted that hazardous waste was stored in the basement of the main building (D001, D005, D008, F002, F003 and F005), in a roll-off box under a covered concrete pad south of the facility (D005), the hazardous waste storage building (D005, D008, D001, F002, F003 and F005), the ceramic batch area (D005) and the model shop (D005).

The inspection reports from 1996 and 1998 indicate that the facility manufactured transit voltage suppressors, integrated passive components and multiple-layer ceramic and

glass capacitors. Similar processes are noted that create hazardous wastes except for a few new processes including “harperization cake from edge rounding process, cast plastic from casting operation, lead sand from glass department, solder drops from injection process and corrosive liquids from plating/waste treatment”.

In 2002, the inspection reports indicate that AVX was a large quantity generator of hazardous waste with wastes containing barium (D005): zinc, lead, nickel and tin (D008), steel shot from capacitor plating (D008), sludge from a wastewater filter press (F006), carbon inks and paper generated from silk screening (D001, D008, F003, F005), used mixed flammable solvents generated from cleaning steps within capacitor manufacturing (D001, D011, F003, F005), wipes and other debris contaminated with methylene chloride and xylene (F002, F003) and waste from a new operation involving an acid bath generating spent nickel (D002, D008). The July 2002 inspection noted violations pertaining to: improper labelling of a barium waste box in the Model Shop, a few satellite containers were not properly closed at the time of inspection, personnel must take part in annual reviews of hazardous waste management training and a contingency plan required updating after the former emergency coordinator died. In August 2002 the facility was found in compliance with the July 2002 violations.

The facility was inspected in October 2003 by Mr. Joseph Parker and similar wastes were generated at the facility as in 2002, except additional waste streams were listed. These waste streams included: hazardous waste liquid – barium titanate (D005), hazardous waste liquid – lead and nickel (D008), hazardous waste liquid – methane sulfonic acid (D008), hazardous waste liquid – lead, nickel (F006), hazardous waste solid – acetone, ethyl ether (F002, F003), waste corrosive liquid – sodium hydroxide and ammonium hydroxide (D002, D008), waste flammable liquid – toluene (D001, D011, F003, F005), wet batteries filled with acid (D002, D008) and lights containing mercury. Mr. Parker noted that the facility shipped out solid and liquid hazardous waste in March 2003 to reclaim precious metals including silver, platinum and palladium. Mr. Parker indicated that AVX trained approximately 25 employees in hazardous waste management and implementation of the company contingency plan. In November 2003, Mr. Parker reported there were 310 employees at the facility.

Mr. Parker noted several satellite hazardous waste accumulation areas and wastes stored during the inspection, in addition to several storage areas where wastes are stored for less than 90 days including areas in the plating department, barium batching, model shop, hazardous waste storage areas and roll-off containers. Mr. Parker noted that solid and liquid hazardous waste were spilled on top of some containers in use and on walls and flooring below the hazardous waste containers. He stated that in the future the facility would be cited under RCRA if similar releases of hazardous materials were noted during future inspections. He did cite the facility for one violation, a funnel was observed on top of a drum in the hazardous waste storage area and the drum was considered open. The facility was re-inspected in November 2013 and it was found in compliance.

The most recent inspection is from November 6, 2007. During this inspection, the hazardous waste section inspector (Mr. Ted Cashion) noted that the company had recently lost much of its past manufacturing capability and the number of employees was 62, down from 130 employees in December 2006 (the previous inspection date) and 310 in 2003. Mr. Cashion noted that the facility has been cleaning out hazardous waste over the past year and may be closed down in the near future. In 2007, the facility generated hazardous waste solid (D008), waste flammable liquid (D001, D011, F003), waste flammable liquid consisting of isopropyl alcohol (D001, D008, F003), waste wet, acid batteries (D002, D008), lamps containing mercury, used oil, zinc slip and debris. The facility was found in compliance and drums were noted in the following satellite hazardous waste storage areas:

Hazardous Waste Satellite Storage Areas (November 2007)	Waste items Documented by DWM November (November 2007)
Chemical Storage Area	(1) 55-gallon container
Glass Line	2 satellite accumulation areas with (1) 55-gallon container. Flammable solvent and leaded glass.
MSD Paste Room (basement)	(1) 55-gallon container and (4) 30-gallon containers for D008 waste attached to a baghouse. Not in Use.
Outside MSD Paste Room	(1) 55-gallon container of waste absorbent and personal protective equipment.
Main Basement Storage Point	(1) 55-gallon container of waste capacitors/lead chips
TG Firing	55-gallon container of waste solvent wipes.
Salvage Area and across from Salvage Area	(1) 55-gallon drum of waste solvent (1) 55-gallon drum of solder dross (1) 55-gallon container, not specified
Dock Area	(1) 55-gallon container of waste absorbent

Two, 90-day hazardous waste storage areas were reported in the facility including a hazardous waste storage area in the basement containing several 55-gallon drums and containers of lamps containing mercury, and a temporary, 90-day storage area in place due to the large amount of cleanout over that past year. The DENR requested that the facility notify them when the temporary storage area was eliminated, and it should be completed by December 31, 2007.

Except for the 2002 and 2003 inspections, the facility did not appear to have NOVs issued as a result of the inspections. During the inspections, Corning and then AVX were found to be in compliance except for record-keeping and minor violations pertaining mostly to containers not kept closed, proper drum labelling and keeping contingency plans and training up to date.

2. Wastewater Treatment Processes

Mid-Atlantic contacted Mr. Ryan Faw, the Industrial Pre-treatment Coordinator for the City of Raleigh Utilities Department regarding wastewater treatment that was performed at the AVX facility. According to Mr. Faw, AVX operated under Industrial User #AVXC and they "were a categorical industrial user for their different metal plating processes (40 CFR 433)." Mr. Faw indicated that the permit was rescinded on January 1, 2009 and AVX removed their plating lines and associated tanks in 2008. Mr. Faw stated that AVX continued to operate a small glass capacitor manufacturing line for a period of time, but associated wastewater was not subject to federal pretreatment standards. Mr. Faw indicated that when the plant was fully operational they had four main pretreatment areas:

- Barium Chemical Treatment System: This system was located outdoors on the south side of the main plant and was roofed to exclude most rainwater. The treatment system had a number of tanks for pH adjustment and chemical precipitation, separation, and dewatering. The system was contained via berms and trenching. Treated water was then discharged into the municipal sewer system.
- Harperization Settling System: A system located inside the main plant basement that received wastewater from grinding operations. The system consisted of a settling tank and Mr. Faw indicated that any spills would go onto the basement floor for collection in sump tanks but would not leave the building.
- Main Waste Water Treatment System: This system was located inside the main plant basement. This system consisted of many tanks for pH adjustment and chemical precipitation, separation, and dewatering. Mr. Faw indicated that any spills would go onto the basement floor for collection in sump tanks but would not leave the building.
- Plating Waste Water Treatment System: Mr. Faw indicated this system was located on the main plant floor off the dock. This system consisted of many tanks for pH adjustment and chemical precipitation, separation, and dewatering. Floor trenches and sumps were able to hold 3000 gallons of any spill water."

Mr. Faw indicated that sludge and solid waste from the wastewater pretreatment systems were sent out in barrels as hazardous waste (noted in Section 1).

Mid-Atlantic discovered another drawing produced in 1987 and modified in 1988 showing the in-house plating facility on the basement and first floor levels (Corning 71437-12-1, 1987). The main floor had a plating line consisting of two acid tanks, two nickel tanks, two tin/lead tanks, two reclamation tanks and several rinse tanks. Three trench drains were connected to drains leading downstairs, where electroplating batches appear to have undergone treatment which included chemical treatment tanks and a clarifier. Other tanks in the basement room included a sludge tank and scrubber recirculation tank. A sump in

the floor measured 24 inches square and 40 inches deep. The plan did not show a connection to the sewer system from the basement room.

In terms of compliance with their industrial pre-treatment permit, Mr. Faw stated:

> "AVX did have violations of their permit throughout the years, mainly for Zinc, Copper, and Nickel. A civil penalty was issued in March 28, 2001 for $12,500. Another was issued June 10, 2002 for $1,500. Another was issued August 8, 2007 for $1,000. These were penalties for wastewater violations and pollutants should not have reached the outside soil."

Mr. Faw recounted one spill that did take place at the facility:

> "On February 6, 2001, rinse water from the main floor plating room trenches flowed off the dock and around the south side of the main plant along the service road following the slope to a dry ditch. No waste water reached the main creek. On February 7 a local hazmat clean up company dug up the affected soils along the plant service road and the dry creek. The soils contained trace amounts of nickel and lead and was sent off for disposal as non-hazardous soil".

The Information request prepared by Mr. Faw is attached to this Exhibit

3. <u>References:</u>

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AVX, 1992b, Barium Chemical Treatment System, March 9, 1992. [sketch map provided to Mid-Atlantic by Ryan Faw, City of Raleigh Public Utilities].

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EXHIBIT B

SOIL ASSESSMENT ACTIVITIES

Mid Atlantic
Engineering & Environmental Solutions

EXHIBIT B

On July 14 to 17 and 21, 2015, Mid-Atlantic mobilized to the site to collect soil samples from surficial soils (0 to 1 foot below land surface (BLS)) and from deeper sub-surface depths. A total of 25 soil borings were completed by mechanical and hand operated drilling equipment. **Table B-1** summarizes the soil samples collected, the reasons(s) for sampling, sample field identification numbers and the laboratory tests that were completed. Soil samples collected from borings by plant/building area (**Drawing B-1**) are as follows:

- Main Plant Area: SB-1 to SB-7, SSM-1 to SSM-9 and BGM-1
- Former 3800 Building (south of main plant): SB-8, SB-9
- Wooded area south of main plant and east of 3800 Building: BGM-2 and BGM-3

Most borings from July 14 to 17, 2015 were advanced by South Atlantic Environmental Drilling and Construction Company (SAEDACCO) of Fort Mill, South Carolina using hollow stem auger drilling techniques. A conventional drilling rig was used to complete the drilling coincident with installation of shallow Type II and deep (Type III) permanent monitoring wells (**Exhibit C**). Mid-Atlantic personnel advanced shallow borings with a hand auger. On July 21, 2015, surficial soil samples were collected by Mid-Atlantic personnel using a hand auger.

Soil Sampling and Screening Procedure

Soil samples collected on July 14 to 17, 2015 were collected for textural classification, headspace screening and laboratory testing. Soil samples from 0 to 4 feet BLS were collected each foot using a hand auger. The hand auger was used for this interval in order to avoid severing potential underground utilities. Beyond 4 feet, soil samples were collected from 2 foot intervals either continuously (4 to 6 ft., 6 to 8 ft., etc.) or on roughly five foot centers (4 to 6 ft., 8 to 10 ft., etc.) depending on the boring location. The soil samples were described for the relative contribution of sand, silt and clay present in the soils and classified as noted in the attached boring logs. Then, the soil samples were scanned for the presence of volatile organic compounds (VOCs) using a toxic vapor analyzer (TVA), equipped with a flame ionization detector (FID) and Photo-Ionization Detector (PID). The two detectors are designed to detect contaminants with varying characteristics. The PID is more sensitive at detecting and measuring aromatic and chlorinated compounds while the FID is more sensitive at detecting and measuring aliphatic compounds (Thermo-environmental Instruments, 2000). The boring logs note the FID and PID readings recorded by Mid-Atlantic personnel as drilling progressed. Most of the TVA readings were low (<10 ppm) and are recorded on the boring logs. Mid-Atlantic observed elevated TVA readings (>10 parts per million (ppm)) on the PID) from borings B-3 (1 to 3 foot depth), B-4 (0 to 3 foot depth) and SB-7 (0 to 10 foot depth) as shown on **Drawing B-1**).

At soil boring locations SB-1 to SB-9, the soil sample collected from the depth in the unsaturated zone that had the highest FID and/or PID measurements was typically chosen for laboratory analysis. In general, the lithology at the site consisted of clayey silt or sandy

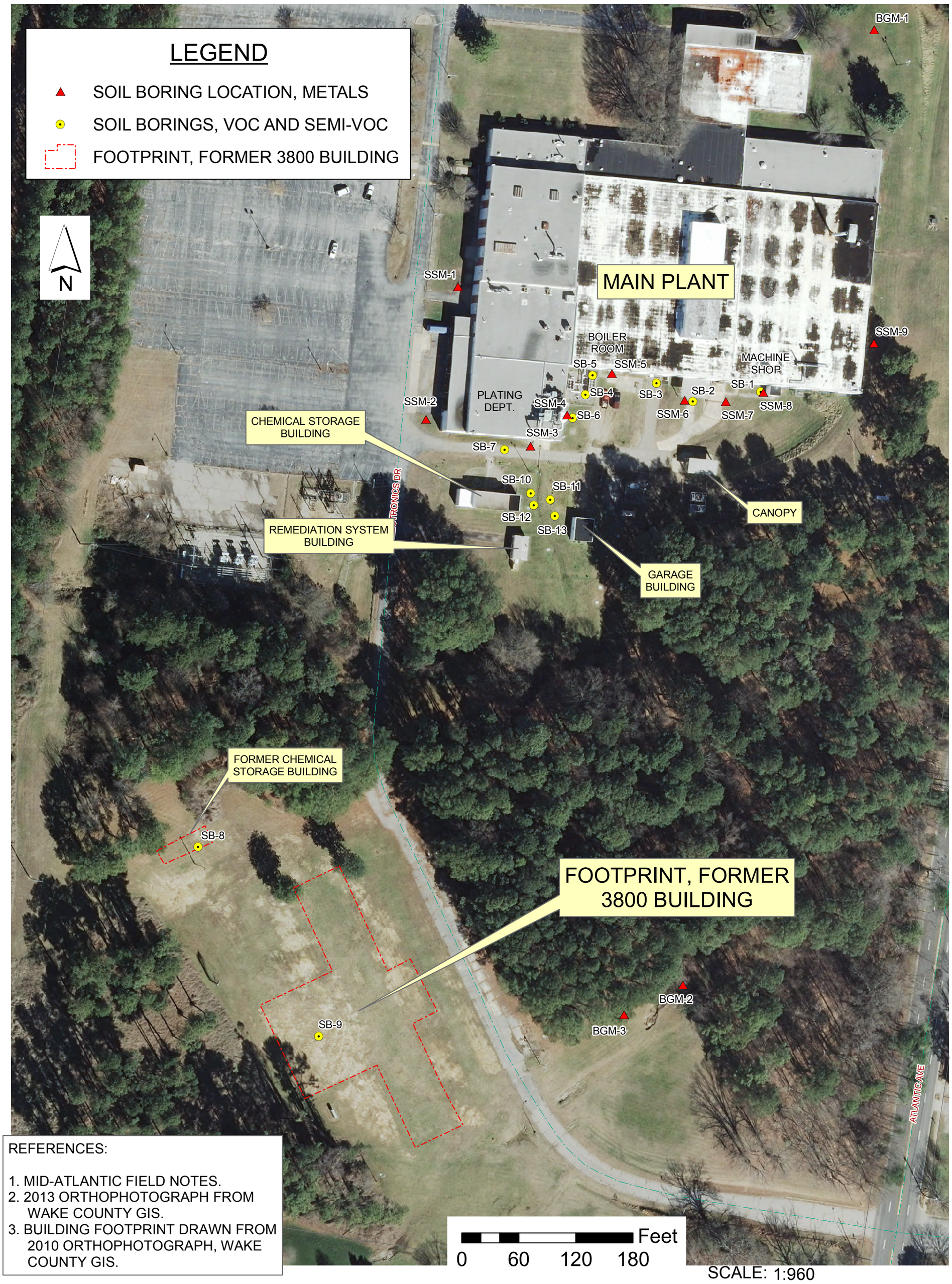
silt from the surface to depths ranging from 1 to 3.5 feet BLS. Below this layer, most borings encountered Silt or Sandy Silt.

Soil borings SB-10 to SB-13 were advanced to evaluate if residual contaminants remained in the area where solvent-contaminated soils were removed by others in 1989. Soil samples chosen for laboratory analysis consisted of apparently native soil located below or adjacent to fill material used to refill contaminated soils that were removed. The apparently native soils consisted primarily of silty clay with a saprolite texture. Surficial soil samples collected on July 21, 2015 (SSM-1 to SSM-9) were not described and were collected for laboratory testing of metals commonly used by Corning and AVX at the site. The samples were collected from 0 to 1 foot BLS. Three background samples (BGM-1, BGM-2 and BGM-3) were also collected from areas of the site that were presumably undeveloped and/or not used for improvements.

Laboratory Testing and Results

A total of 25 grab soil samples were collected from the subject site for laboratory analysis. New nitrile gloves were worn during the collection of each sample, and samples selected for laboratory submittal were placed into laboratory-supplied bottles. Samples were then packed into an ice-filled cooler and shipped under chain-of-custody to Prism Laboratories, Inc. (Prism) in Charlotte, North Carolina. The 13 grab soil samples collected on July 14 to 17, 2015 (SB-1 to SB-13) were submitted for analysis of volatile organic compounds (VOCs) according to EPA method 8260B. Five of the 13 grab soil samples were tested for semi-volatile organic compounds (Semi-VOCs) according to EPA method 8270D. The 12 grab metals samples collected on July 21, 2015 were tested by EPA Method 6010 for six metals historically used at the facility including barium, lead, nickel, silver, tin and zinc.

The laboratory results for organic analyses (VOC, Semi-VOC) and metals analyses (metals) are summarized in **Table B-2** and **Table B-3**, respectively. Three VOCs (acetone, tetrachloroethylene (PCE) and/or total xylenes) were detected in the soil samples at generally low concentrations above the laboratory method detection limits (MDL). Sample SB-11 (6-8') exhibited a concentration of PCE at 0.0078 mg/Kg, above the protection of groundwater preliminary soil remediation goal (PGW SRG) of 0.005 mg/Kg. However, the PCE concentration at SB-11 was below the residential health-based PSRG. The soil samples tested for metals exhibited concentrations of five metals in the soil samples (barium, lead, nickel, silver and zinc). Four samples (SSM-1, SSM-2, SSM-3 and SSM-6) exhibited barium concentrations greater than the PGW SRG including SSM-1, SSM-2, SSM-3 and SSM-6 (**Table B-3**). Sample SSM-6 exhibited barium at a concentration of 4,300 mg/Kg above the PGW and the residential health-based SRG.



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3. BUILDING FOOTPRINT DRAWN FROM 2010 ORTHOPHOTOGRAPH, WAKE COUNTY GIS.

SCALE: 1:960

Mid Atlantic
Engineering & Environmental Solutions

SOIL BORING LOCATIONS
3900 ELECTRONICS DRIVE
RALEIGH, NORTH CAROLINA

DRAWN BY: EBA	DATE: AUGUST 2015
DRAFT CHECK:	JOB NO: 000R2678.00
ENG. CHECK:	GIS NO: 01G-R2678.00-5
APPROVAL:	DWG NO: B-1

TABLE B-1: SUMMARY OF SOIL BORINGS, SOIL SAMPLES COLLECTED AND TESTS COMPLETED
FORMER CORNING GLASS WORKS / AVX, INC.
3900 ELECTRONICS DRIVE, RALEIGH, NORTH CAROLINA
MID-ATLANTIC PROJECT NO. 000R2678.00

Boring ID	Location	Reason for Sampling	Sample ID	Tests Completed
SB-1 & SSM-8	South of Building	Boring located outside machine shop where solvents and oils were most likely used.	SB-1 (6'-8') & SSM-8	VOC's - 8260B, SVOC's - 8270D, & Metals* 6010C
SB-2 & SSM-6 (nearby)	South of Barium Pre-treatment system	Boring located outside of covered area where four concrete lined settling basins are located. Basins were used for pH adjustment (see Section 2). Roll-off was placed nearby for barium (D005) waste prior to construction of covered pad to South.	SB-2 (8'-10') & SSM-6	VOC's - 8260B, SVOC's - 8270D, & Metals* 6010C
SB-3 (Well MW-16A location)	South of roll-up door	Roll-up door provided access to basement level where drums would be moved into and out of the plant. Trade shop nearby with machining equipment and use of chemicals and oils. Permanent well MW-16A installed at location which is at the lowest elevation on the back of the building.	SB-3 (2'-3')	VOC's - 8260B, SVOC's - 8270D
SB-4	Former fuel oil AST Area	Potential releases from a former fuel oil tank. A plan from 1987 shows a former fuel oil tank in this area; based on aerial photographs it is presumed as an above-ground storage tank.	SB-4 (8'-10')	VOC's - 8260B, SVOC's - 8270D
SB-5 & SSM-5	South of Boiler Room and near former fuel oil line	Potential releases of chemicals and oils used in the boiler room. An abandoned fuel oil line is also shown on a 1992 drawing passing the location.	SB-5 (1'-3') & SSM-5	VOC's - 8260B, SVOC's - 8270D, & Metals* 6010C
SB-6 & SSM-4	East of Plating Department Wall	Potential releases of chemicals from sumps in the plating department wastewater treatment area - basement level.	SB-6 (4'-5') & SSM-4	VOC's - 8260B, SVOC's - 8270D, & Metals* 6010C
SB-7	South of Plating Department Wing	Potential releases of chemicals from the plating department, including a hazardous material storage area along the interior south wall and a filter press in the southwest corner (2001 plan)	SB-7 (3'-4')	VOC's - 8260B, SVOC's - 8270D
SB-8	3800 Building, Hazardous Waste Building	Potential release(s) of constituents from a building designated alternately as “hazardous waste storage building” or “storage” to the north of the former 3800 building.	SB-8 (1'-3')	VOC's - 8260B, SVOC's - 8270D
SB-9	3800 Building, Main Building	Potential release(s) of constituents from a former machine shop and laboratories from the former 3800 building.	SB-9 (1'-3')	VOC's - 8260B, SVOC's - 8270D
SB-10	East of Chemical Storage Building	Evaluate if residual contaminated soils remains below a shallow, former soil excavation area (impacted soil removed to 6 feet BLS)	SB-10 (6'-8')	VOC's - 8260B, SVOC's - 8270D
SB-11	East of Chemical Storage Building near Cooling Tower pedestals	Evaluate if residual contaminated soils remains on the east side of the former shallow excavation area. Boring not drilled in location previously due to proximity of cooling towers.	SB-11 (6'-8')	VOC's - 8260B, SVOC's - 8270D

Boring ID	Location	Reason for Sampling	Sample ID	Tests Completed
SB-12	East of Chemical Storage Building near former Injection Well (source area)	Evaluate if residual contaminated soils remains on the south side of the deep soil excavation area and former injection well location. Soils reportedly removed to 15.5 to 17 feet BLS	SB-12 (14'-15')	VOC's - 8260B, SVOC's - 8270D
SB-13	Northwest of former Garage Building	Evaluate if residual contaminated soils remains on the east side side of the former deep soil excavation area.	SB-13 (8'-10')	VOC's - 8260B, SVOC's - 8270D
Note 1: After SB-1 to SB-13 were collected using drilling equipment, surface soil samples were collected from several locations to evaluate metals in surficial soils: these borings are designated "SSM". Some locations are in close proximity to the deeper borings as shown above.				
SSM-1	West of exterior double door, Main Building	Potential releases of metals to surface soil from capacitor manufacturing. Double door leads to Ribbon glass department.	SSM-1	Metals* 6010C
SSM-2	Southwest Corner of Building	Potential releases of metals to surface soil outside the plating department and near the loading dock.	SSM-2	Metals* 6010C
SSM-3	Outside Door to Plating Department	Potential releases of metals to surface soil outside the plating department. Location was outside the double doors leading to the plating wastewater treatment area.	SSM-3	Metals* 6010C
SSM-4	See SB-6	Potential releases of metals to surface soils. See SB-6 description.	SSM-4	Metals* 6010C
SSM-5	See SB-5	Potential releases of metals to surface soils. See SB-5 description.	SSM-5	Metals* 6010C
SSM-6	In Grass about 8.5 feet west of SB-2	Potential releases of metals to surface soils. See SB-2 description.	SSM-6	Metals* 6010C
SSM-7	South of Building	Potential releases of metals to surface soil near where roll-off containers were previous stored for Barium (D005) waste.	SSM-7	Metals* 6010C
SSM-8	See SB-1	Potential releases of metals to surface soils. See SB-1 description.	SSM-8	Metals* 6010C
SSM-9	East of Building	Potential releases of metals to surface soil outside the Forming Department. Location was outside the double doors facing Atlantic Avenue.	SSM-9	Metals* 6010C
Note 2: Surficial soil samples were collected from "background" locations to evaluate the concentrations of metals in locations that are presumed to have not been affected by manufacturing. These borings are designated with "BGM"".				
BGM-1	Northeast of Building	Evaluate metals concentrations in surface soils from "background" location. Sample location is in the lawn northeast of the building.	BGM-1	Metals* 6010C
BGM-2	South of Buiding in woods	Evaluate metals concentrations in surface soils from "background" location. Sample location is a short distance into the woods from a grassed field located east of the former 3800 Building.	BGM-2	Metals* 6010C
BGM-3	South of Building at Edge of Woods	Evaluate metals concentrations in surface soils from "background" location. Sample location is at the edge of a grassed field located east of the former 3800 Building.	BGM-3	Metals* 6010C

Notes: Metals* = Samples tested for the following metals: barium, lead, nickel, silver, Tin and Zinc by EPA Method 6010C
VOCs = Volatile Organic Compounds by EPA Method 8260B
SVOCs = Semi-volatile Organic Compounds by EPA Method 8270C

TABLE B-2: SUMMARY OF SOIL SAMPLE LABORATORY RESULTS (VOLATILE ORGANIC COMPOUNDS), MG/KG
FORMER CORNING GLASS WORKS / AVX, INC.
3900 ELECTRONICS DRIVE, RALEIGH, NORTH CAROLINA
MID-ATLANTIC PROJECT NO. 000R2678.00

		Volatile Organic Compounds (EPA 8260B)						Semi-VOCs EPA 8270C)
Contaminant of Concern →		**Acetone**	**Carbon tetrachloride**	**Methylene chloride**	**Trichloroethene**	**Tetrachloroethene**	**Total Xylenes**	**Semi-volatile Organic Compounds (if detected), EPA Method 8270C**
Sample ID	**Date Collected**							
Residential Health-Based Soil Remediation Goal (mg/kg), March 2015 IHSB Table		12000	65	57	82	16	120	NA
Protection of Groundwater Soil Remediation Goal (mg/kg), March 2015 IHSB Table		24	0.0021	0.023	0.018	0.005	5.8	NA
SB-1 (6-8')	7/14/2015	--	--	--	--	--	--	NT
SB-2 (8-10')	7/16/2015	--	--	--	--	--	--	NT
SB-3 (2-3')	7/16/2015	--	--	--	--	--	--	-- NC --
SB-4 (8-10)	7/15/2015	--	--	--	--	--	--	-- NC --
SB-5 (1-3')	7/15/2015	0.11	--	--	--	--	--	-- NC --
SB-6 (4-5')	7/14/2015	0.10	--	--	--	--	--	NT
SB-7 (3-4')	7/17/2015	--	--	--	--	--	--	-- NC --
SB-8 (1-3')	7/15/2015	--	--	--	--	--	--	-- NC --
SB-9 (1-3')	7/15/2015	--	--	--	--	--	--	NT
SB-10 (6-8')	7/17/2015	0.13	--	--	--	--	--	NT
SB-11 (6-8')	7/17/2015	0.23	--	--	--	**0.0078**	0.0019 J	NT
SB-12 (14-15')	7/17/2015	--	--	--	--	--	0.0024 J	NT
SB-13 (8-10')	7/17/2013	--	--	--	--	0.0027 J	--	NT

Notes:

Bold = Concentration in Bold exceeds most stringent Soil Remediation Goal (typically Protection of Groundwater)

-- = Analyte not detected above the Method Detection Limit (MDL) for undiluted samples, or sample was diluted but MDL is less than most stringent SRG.

NA = Not Applicable

-- NC -- = No compounds detected

J = Analyte detected but below the practical quantitation limit; therefore, the result is an estimated concentration.

IHSB = Inactive Hazardous Sites Branch

TABLE B-3: SUMMARY OF SOIL SAMPLE LABORATORY RESULTS (METALS), MG/KG
FORMER CORNING GLASS WORKS / AVX, INC.
3900 ELECTRONICS DRIVE, RALEIGH, NORTH CAROLINA
MID-ATLANTIC PROJECT NO. 000R2678.00

Sample	Sampling Date	Barium	Lead	Nickel	Silver	Tin	Zinc
Health-Based Soil Remediation Goal (mg/kg), March 2015 IHSB Table		3,000	400	300 (Salts)	78	9,400	4,600
Protection of Groundwater Soil Remediation Goal (mg/kg), March 2015 IHSB Table		580	270	130 (Salts)	3.4	10,000	1,200
BGM-1 (0-1')	7/21/2015	30	16	3.4	--	--	28
BGM-2 (0-1')	7/21/2015	42	12	9.5	--	--	39
BGM-3 (0-1')	7/21/2015	79	29	14	--	--	42
SSM-1 (0-1')	7/21/2015	130	180	9	**9.9**	--	170
SSM-2 (0-1')	7/21/2015	290	190	12	**9.6**	--	97
SSM-3 (0-1')	7/21/2015	120	63	11	**4.3**	--	81
SSM-4 (0-1')	7/21/2015	27	8.7	3.7	--	--	26
SSM-5 (0-1')	7/21/2015	39	20	11	--	--	56
SSM-6 (0-1')	7/21/2015	**4300***	100	14	**11**	--	74
SSM-7 (0-1')	7/21/2015	250	7.1	19	--	--	83
SSM-8 (0-1')	7/21/2015	43	30	8.6	0.65	--	38
SSM-9 (0-1')	7/21/2015	38	130	6.1	2.4	--	80
Range of Detected Values	All dates	27 to 4300	7.1 to 190	3.4 to 19	0.65 to 9.9	--	28 to 170
Mean of Detected Values	All dates	98.9	65.5	10.1	6.3	--	67.8
Median of Detected Values	All dates	43	29.5	10.25	6.95	--	65

All concentrations in mg/Kg (parts per million)

9.6 = Concentrations in bold (mg/Kg) exceed the lower of the Protection of Groundwater (PG) Soil Remediation Goal.
4000 = Concentrations that are bold within a shaded cell exceed the Health-Based Soil Remediation Goal
* = Denotes a dilution factor of 10x
-- = Below Method Detection Limit for undiluted samples.
BGM = Background Metals (prefix for samples collected from "background" locations)
SSM = Surficial Soil Metals (prefix for metals samples)
RG = Remedial Goal
IHSB = Inactive Hazardous Sites Branch

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ISO/IEC 17025: L-A-B Accredited Certificate No. L2307

Case Narrative

08/04/2015

Mid-Atlantic Associates, Inc. - Raleigh
Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Lab Submittal Date: 07/20/2015
Prism Work Order: 5070367

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

Angela D. Overcash
VP Laboratory Services

Reviewed By Robbi A. Jones For Angela D. Overcash
President/Project Manager

Data Qualifiers Key Reference:

A	Response factor did not meet method requirements.
D	RPD value outside of the control limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
L	Parameter reported with possible low bias. LCS recovery below the QC limit.
L1	LCS recovery outside of the QC limits. LCSD recovery within the limits. No further action taken.
L2	LCSD recovery outside of the QC limits. LCS recovery within the limits. No further action taken.
LH	High LCS recovery. Analyte not detected in the sample(s). No further action taken.
SR	Surrogate recovery outside the QC limits.
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

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Sample Receipt Summary

08/04/2015

Prism Work Order: 5070367

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
SB-1 (6-8)	5070367-01	Solid	07/14/15	07/20/15
SB-2 (8-10)	5070367-02	Solid	07/16/15	07/20/15
SB-3 (2-3)	5070367-03	Solid	07/16/15	07/20/15
SB-4 (8-10)	5070367-04	Solid	07/15/15	07/20/15
SB-5 (1-3)	5070367-05	Solid	07/15/15	07/20/15
SB-6 (4-5)	5070367-06	Solid	07/14/15	07/20/15
SB-7 (3-4)	5070367-07	Solid	07/17/15	07/20/15
SB-8 (1-3)	5070367-08	Solid	07/15/15	07/20/15
SB-9 (1-3)	5070367-09	Solid	07/15/15	07/20/15
SB-10 6-8	5070367-10	Solid	07/17/15	07/20/15
SB-11 (6-8)	5070367-11	Solid	07/17/15	07/20/15
SB-12 (14-15)	5070367-12	Solid	07/17/15	07/20/15
SB-13 (8-10)	5070367-13	Solid	07/17/15	07/20/15
MW-14A	5070367-14	Water	07/17/15	07/20/15
MW-14B	5070367-15	Water	07/17/15	07/20/15
MW-15A	5070367-16	Water	07/17/15	07/20/15
MW-16A	5070367-17	Water	07/17/15	07/20/15

Samples were received in good condition at 2.8 degrees C unless otherwise noted.

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Summary of Detections

08/04/2015

Prism Work Order: 5070367

Prism ID	Client ID	Parameter	Method	Result		Units
5070367-05	SB-5 (1-3)	Acetone	8260B	0.11		mg/kg dry
5070367-06	SB-6 (4-5)	Acetone	8260B	0.10		mg/kg dry
5070367-10	SB-10 6-8	Acetone	8260B	0.13		mg/kg dry
5070367-11	SB-11 (6-8)	Acetone	8260B	0.23		mg/kg dry
5070367-11	SB-11 (6-8)	m,p-Xylenes	8260B	0.0019	J	mg/kg dry
5070367-11	SB-11 (6-8)	Tetrachloroethylene	8260B	0.0078		mg/kg dry
5070367-11	SB-11 (6-8)	Xylenes, total	8260B	0.0019	J	mg/kg dry
5070367-12	SB-12 (14-15)	m,p-Xylenes	8260B	0.0024	J	mg/kg dry
5070367-12	SB-12 (14-15)	Xylenes, total	8260B	0.0024	J	mg/kg dry
5070367-13	SB-13 (8-10)	Tetrachloroethylene	8260B	0.0027	J	mg/kg dry
5070367-14	MW-14A	Trichloroethylene	8260B	2.4		ug/L
5070367-15	MW-14B	1,1-Dichloroethane	8260B	0.87		ug/L
5070367-15	MW-14B	1,1-Dichloroethylene	8260B	2.3		ug/L
5070367-15	MW-14B	cis-1,2-Dichloroethylene	8260B	3.9		ug/L
5070367-15	MW-14B	Tetrachloroethylene	8260B	2.2		ug/L
5070367-15	MW-14B	Trichloroethylene	8260B	280		ug/L
5070367-15	MW-14B	Trichlorofluoromethane	8260B	4.4		ug/L
5070367-16	MW-15A	Chloroform	8260B	1.4		ug/L
5070367-16	MW-15A	cis-1,2-Dichloroethylene	8260B	8.8		ug/L
5070367-16	MW-15A	Trichloroethylene	8260B	250		ug/L
5070367-17	MW-16A	Chloroform	8260B	1.4		ug/L
5070367-17	MW-16A	Trichloroethylene	8260B	1.7		ug/L

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-1 (6-8)
Prism Sample ID: 5070367-01
Prism Work Order: 5070367
Time Collected: 07/14/15 16:00
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**71.1**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0042	0.00034	1	8260B	7/27/15 17:46	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/27/15 17:46	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0042	0.00028	1	8260B	7/27/15 17:46	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0042	0.00037	1	8260B	7/27/15 17:46	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0042	0.00012	1	8260B	7/27/15 17:46	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0042	0.00019	1	8260B	7/27/15 17:46	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0042	0.00023	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0042	0.00024	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0042	0.00053	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0042	0.00031	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0042	0.00032	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2-Dibromoethane	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0042	0.00026	1	8260B	7/27/15 17:46	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0042	0.00032	1	8260B	7/27/15 17:46	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0042	0.00028	1	8260B	7/27/15 17:46	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0042	0.00021	1	8260B	7/27/15 17:46	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0042	0.00016	1	8260B	7/27/15 17:46	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/27/15 17:46	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0042	0.00022	1	8260B	7/27/15 17:46	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/27/15 17:46	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/27/15 17:46	MSC	P5G0498
Acetone	BRL	mg/kg dry	0.042	0.0010	1	8260B	7/27/15 17:46	MSC	P5G0498
Benzene	BRL	mg/kg dry	0.0025	0.00024	1	8260B	7/27/15 17:46	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0042	0.00035	1	8260B	7/27/15 17:46	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0042	0.00023	1	8260B	7/27/15 17:46	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0042	0.00023	1	8260B	7/27/15 17:46	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0042	0.00048	1	8260B	7/27/15 17:46	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.0084	0.00052	1	8260B	7/27/15 17:46	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0042	0.00021	1	8260B	7/27/15 17:46	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0042	0.00022	1	8260B	7/27/15 17:46	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.0084	0.00035	1	8260B	7/27/15 17:46	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0042	0.00030	1	8260B	7/27/15 17:46	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0042	0.00028	1	8260B	7/27/15 17:46	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0042	0.00018	1	8260B	7/27/15 17:46	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0042	0.00014	1	8260B	7/27/15 17:46	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/27/15 17:46	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0042	0.00019	1	8260B	7/27/15 17:46	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-1 (6-8)
Prism Sample ID: 5070367-01
Prism Work Order: 5070367
Time Collected: 07/14/15 16:00
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0042	0.00016	1	8260B	7/27/15 17:46	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/27/15 17:46	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/27/15 17:46	MSC	P5G0498
m,p-Xylenes	BRL	mg/kg dry	0.0084	0.00039	1	8260B	7/27/15 17:46	MSC	P5G0498
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.042	0.00038	1	8260B	7/27/15 17:46	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.084	0.00038	1	8260B	7/27/15 17:46	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.042	0.00036	1	8260B	7/27/15 17:46	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0042	0.00024	1	8260B	7/27/15 17:46	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0084	0.00013	1	8260B	7/27/15 17:46	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.0084	0.00013	1	8260B	7/27/15 17:46	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0042	0.00021	1	8260B	7/27/15 17:46	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/27/15 17:46	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/27/15 17:46	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/27/15 17:46	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/27/15 17:46	MSC	P5G0498
tert-Butylbenzene	BRL	mg/kg dry	0.0042	0.00014	1	8260B	7/27/15 17:46	MSC	P5G0498
Tetrachloroethylene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/27/15 17:46	MSC	P5G0498
Toluene	BRL	mg/kg dry	0.0042	0.00024	1	8260B	7/27/15 17:46	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/27/15 17:46	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0042	0.00022	1	8260B	7/27/15 17:46	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0042	0.00027	1	8260B	7/27/15 17:46	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0042	0.00027	1	8260B	7/27/15 17:46	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.021	0.00057	1	8260B	7/27/15 17:46	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/27/15 17:46	MSC	P5G0498
Xylenes, total	BRL	mg/kg dry	0.013	0.00078	1	8260B	7/27/15 17:46	MSC	P5G0498

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*98 %*	*84-123*
Toluene-d8	*94 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-2 (8-10)
Prism Sample ID: 5070367-02
Prism Work Order: 5070367
Time Collected: 07/16/15 14:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**77.0**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0036	0.00030	1	8260B	7/27/15 18:18	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0036	0.00017	1	8260B	7/27/15 18:18	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0036	0.00024	1	8260B	7/27/15 18:18	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0036	0.00032	1	8260B	7/27/15 18:18	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0036	0.00010	1	8260B	7/27/15 18:18	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0036	0.00016	1	8260B	7/27/15 18:18	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0036	0.00020	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0036	0.00020	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0036	0.00046	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0036	0.00027	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0036	0.00027	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2-Dibromoethane	BRL	mg/kg dry	0.0036	0.00014	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0036	0.00017	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0036	0.00021	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0036	0.00022	1	8260B	7/27/15 18:18	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0036	0.00027	1	8260B	7/27/15 18:18	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0036	0.00024	1	8260B	7/27/15 18:18	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0036	0.00018	1	8260B	7/27/15 18:18	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0036	0.00014	1	8260B	7/27/15 18:18	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0036	0.00017	1	8260B	7/27/15 18:18	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0036	0.00019	1	8260B	7/27/15 18:18	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0036	0.00021	1	8260B	7/27/15 18:18	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0036	0.00017	1	8260B	7/27/15 18:18	MSC	P5G0498
Acetone	BRL	mg/kg dry	0.036	0.00088	1	8260B	7/27/15 18:18	MSC	P5G0498
Benzene	BRL	mg/kg dry	0.0022	0.00021	1	8260B	7/27/15 18:18	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0036	0.00030	1	8260B	7/27/15 18:18	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0036	0.00020	1	8260B	7/27/15 18:18	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0036	0.00020	1	8260B	7/27/15 18:18	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0036	0.00041	1	8260B	7/27/15 18:18	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.0072	0.00044	1	8260B	7/27/15 18:18	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0036	0.00018	1	8260B	7/27/15 18:18	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0036	0.00019	1	8260B	7/27/15 18:18	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.0072	0.00030	1	8260B	7/27/15 18:18	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0036	0.00026	1	8260B	7/27/15 18:18	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0036	0.00024	1	8260B	7/27/15 18:18	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0036	0.00015	1	8260B	7/27/15 18:18	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0036	0.00012	1	8260B	7/27/15 18:18	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0036	0.00015	1	8260B	7/27/15 18:18	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0036	0.00016	1	8260B	7/27/15 18:18	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-2 (8-10)
Prism Sample ID: 5070367-02
Prism Work Order: 5070367
Time Collected: 07/16/15 14:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0036	0.00014	1	8260B	7/27/15 18:18	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0036	0.00015	1	8260B	7/27/15 18:18	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0036	0.00021	1	8260B	7/27/15 18:18	MSC	P5G0498
m,p-Xylenes	BRL	mg/kg dry	0.0072	0.00033	1	8260B	7/27/15 18:18	MSC	P5G0498
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.036	0.00033	1	8260B	7/27/15 18:18	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.072	0.00033	1	8260B	7/27/15 18:18	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.036	0.00031	1	8260B	7/27/15 18:18	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0036	0.00020	1	8260B	7/27/15 18:18	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0072	0.00012	1	8260B	7/27/15 18:18	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.0072	0.00011	1	8260B	7/27/15 18:18	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0036	0.00018	1	8260B	7/27/15 18:18	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0036	0.00021	1	8260B	7/27/15 18:18	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0036	0.00015	1	8260B	7/27/15 18:18	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0036	0.00017	1	8260B	7/27/15 18:18	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0036	0.00022	1	8260B	7/27/15 18:18	MSC	P5G0498
tert-Butylbenzene	BRL	mg/kg dry	0.0036	0.00012	1	8260B	7/27/15 18:18	MSC	P5G0498
Tetrachloroethylene	BRL	mg/kg dry	0.0036	0.00017	1	8260B	7/27/15 18:18	MSC	P5G0498
Toluene	BRL	mg/kg dry	0.0036	0.00021	1	8260B	7/27/15 18:18	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0036	0.00022	1	8260B	7/27/15 18:18	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0036	0.00019	1	8260B	7/27/15 18:18	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0036	0.00023	1	8260B	7/27/15 18:18	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0036	0.00023	1	8260B	7/27/15 18:18	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.018	0.00049	1	8260B	7/27/15 18:18	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0036	0.00017	1	8260B	7/27/15 18:18	MSC	P5G0498
Xylenes, total	BRL	mg/kg dry	0.011	0.00067	1	8260B	7/27/15 18:18	MSC	P5G0498

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*115 %*	*70-130*
Dibromofluoromethane	*101 %*	*84-123*
Toluene-d8	*96 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-3 (2-3)
Prism Sample ID: 5070367-03
Prism Work Order: 5070367
Time Collected: 07/16/15 15:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**79.0**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.42	0.065	1	8270D	7/22/15 7:38	JMV	P5G0361
1,2-Dichlorobenzene	BRL	mg/kg dry	0.42	0.063	1	8270D	7/22/15 7:38	JMV	P5G0361
1,3-Dichlorobenzene	BRL	mg/kg dry	0.42	0.059	1	8270D	7/22/15 7:38	JMV	P5G0361
1,4-Dichlorobenzene	BRL	mg/kg dry	0.42	0.061	1	8270D	7/22/15 7:38	JMV	P5G0361
1-Methylnaphthalene	BRL	mg/kg dry	0.42	0.081	1	8270D	7/22/15 7:38	JMV	P5G0361
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.42	0.078	1	8270D	7/22/15 7:38	JMV	P5G0361
2,4-Dichlorophenol	BRL	mg/kg dry	0.42	0.081	1	8270D	7/22/15 7:38	JMV	P5G0361
2,4-Dimethylphenol	BRL	mg/kg dry	0.42	0.064	1	8270D	7/22/15 7:38	JMV	P5G0361
2,4-Dinitrophenol	BRL	mg/kg dry	0.42	0.058	1	8270D	7/22/15 7:38	JMV	P5G0361
2,4-Dinitrotoluene	BRL	mg/kg dry	0.42	0.051	1	8270D	7/22/15 7:38	JMV	P5G0361
2,6-Dinitrotoluene	BRL	mg/kg dry	0.42	0.056	1	8270D	7/22/15 7:38	JMV	P5G0361
2-Chloronaphthalene	BRL	mg/kg dry	0.42	0.061	1	8270D	7/22/15 7:38	JMV	P5G0361
2-Chlorophenol	BRL	mg/kg dry	0.42	0.059	1	8270D	7/22/15 7:38	JMV	P5G0361
2-Methylnaphthalene	BRL	mg/kg dry	0.42	0.067	1	8270D	7/22/15 7:38	JMV	P5G0361
2-Methylphenol	BRL	mg/kg dry	0.42	0.054	1	8270D	7/22/15 7:38	JMV	P5G0361
2-Nitrophenol	BRL	mg/kg dry	0.42	0.076	1	8270D	7/22/15 7:38	JMV	P5G0361
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.42	0.083	1	8270D	7/22/15 7:38	JMV	P5G0361
3/4-Methylphenol	BRL	mg/kg dry	0.42	0.052	1	8270D	7/22/15 7:38	JMV	P5G0361
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.42	0.063	1	8270D	7/22/15 7:38	JMV	P5G0361
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.42	0.072	1	8270D	7/22/15 7:38	JMV	P5G0361
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.42	0.059	1	8270D	7/22/15 7:38	JMV	P5G0361
4-Chloroaniline	BRL	mg/kg dry	0.42	0.050	1	8270D	7/22/15 7:38	JMV	P5G0361
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.42	0.054	1	8270D	7/22/15 7:38	JMV	P5G0361
4-Nitrophenol	BRL	mg/kg dry	0.42	0.064	1	8270D	7/22/15 7:38	JMV	P5G0361
Acenaphthene	BRL A	mg/kg dry	0.42	0.057	1	8270D	7/22/15 7:38	JMV	P5G0361
Acenaphthylene	BRL	mg/kg dry	0.42	0.061	1	8270D	7/22/15 7:38	JMV	P5G0361
Anthracene	BRL	mg/kg dry	0.42	0.067	1	8270D	7/22/15 7:38	JMV	P5G0361
Azobenzene	BRL	mg/kg dry	0.42	0.055	1	8270D	7/22/15 7:38	JMV	P5G0361
Benzo(a)anthracene	BRL	mg/kg dry	0.42	0.055	1	8270D	7/22/15 7:38	JMV	P5G0361
Benzo(a)pyrene	BRL	mg/kg dry	0.42	0.045	1	8270D	7/22/15 7:38	JMV	P5G0361
Benzo(b)fluoranthene	BRL	mg/kg dry	0.42	0.048	1	8270D	7/22/15 7:38	JMV	P5G0361
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.42	0.046	1	8270D	7/22/15 7:38	JMV	P5G0361
Benzo(k)fluoranthene	BRL	mg/kg dry	0.42	0.055	1	8270D	7/22/15 7:38	JMV	P5G0361
Benzoic Acid	BRL	mg/kg dry	0.42	0.035	1	8270D	7/22/15 7:38	JMV	P5G0361
Benzyl alcohol	BRL	mg/kg dry	0.42	0.055	1	8270D	7/22/15 7:38	JMV	P5G0361
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.42	0.073	1	8270D	7/22/15 7:38	JMV	P5G0361
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.42	0.059	1	8270D	7/22/15 7:38	JMV	P5G0361
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.42	0.071	1	8270D	7/22/15 7:38	JMV	P5G0361
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.42	0.062	1	8270D	7/22/15 7:38	JMV	P5G0361

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-3 (2-3)
Prism Sample ID: 5070367-03
Prism Work Order: 5070367
Time Collected: 07/16/15 15:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.42	0.060	1	8270D	7/22/15 7:38	JMV	P5G0361
Chrysene	BRL	mg/kg dry	0.42	0.053	1	8270D	7/22/15 7:38	JMV	P5G0361
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.42	0.051	1	8270D	7/22/15 7:38	JMV	P5G0361
Dibenzofuran	BRL	mg/kg dry	0.42	0.064	1	8270D	7/22/15 7:38	JMV	P5G0361
Diethyl phthalate	BRL	mg/kg dry	0.42	0.058	1	8270D	7/22/15 7:38	JMV	P5G0361
Dimethyl phthalate	BRL	mg/kg dry	0.42	0.055	1	8270D	7/22/15 7:38	JMV	P5G0361
Di-n-butyl phthalate	BRL	mg/kg dry	0.42	0.059	1	8270D	7/22/15 7:38	JMV	P5G0361
Di-n-octyl phthalate	BRL	mg/kg dry	0.42	0.051	1	8270D	7/22/15 7:38	JMV	P5G0361
Fluoranthene	BRL	mg/kg dry	0.42	0.053	1	8270D	7/22/15 7:38	JMV	P5G0361
Fluorene	BRL	mg/kg dry	0.42	0.060	1	8270D	7/22/15 7:38	JMV	P5G0361
Hexachlorobenzene	BRL	mg/kg dry	0.42	0.066	1	8270D	7/22/15 7:38	JMV	P5G0361
Hexachlorobutadiene	BRL	mg/kg dry	0.42	0.075	1	8270D	7/22/15 7:38	JMV	P5G0361
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.42	0.075	1	8270D	7/22/15 7:38	JMV	P5G0361
Hexachloroethane	BRL	mg/kg dry	0.42	0.070	1	8270D	7/22/15 7:38	JMV	P5G0361
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.42	0.048	1	8270D	7/22/15 7:38	JMV	P5G0361
Isophorone	BRL	mg/kg dry	0.42	0.057	1	8270D	7/22/15 7:38	JMV	P5G0361
Naphthalene	BRL	mg/kg dry	0.42	0.067	1	8270D	7/22/15 7:38	JMV	P5G0361
Nitrobenzene	BRL	mg/kg dry	0.42	0.059	1	8270D	7/22/15 7:38	JMV	P5G0361
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.42	0.066	1	8270D	7/22/15 7:38	JMV	P5G0361
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.42	0.064	1	8270D	7/22/15 7:38	JMV	P5G0361
Pentachlorophenol	BRL	mg/kg dry	0.42	0.049	1	8270D	7/22/15 7:38	JMV	P5G0361
Phenanthrene	BRL	mg/kg dry	0.42	0.054	1	8270D	7/22/15 7:38	JMV	P5G0361
Phenol	BRL	mg/kg dry	0.42	0.062	1	8270D	7/22/15 7:38	JMV	P5G0361
Pyrene	BRL	mg/kg dry	0.42	0.055	1	8270D	7/22/15 7:38	JMV	P5G0361

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*103 %*	*39-132*
2-Fluorobiphenyl	*104 %*	*44-115*
2-Fluorophenol	*114 %*	*35-115*
Nitrobenzene-d5	*96 %*	*37-122*
Phenol-d5	*114 %*	*34-121*
Terphenyl-d14	*108 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0039	0.00032	1	8260B	7/24/15 23:32	MSC	P5G0461
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/24/15 23:32	MSC	P5G0461
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0039	0.00027	1	8260B	7/24/15 23:32	MSC	P5G0461
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0039	0.00035	1	8260B	7/24/15 23:32	MSC	P5G0461
1,1-Dichloroethane	BRL	mg/kg dry	0.0039	0.00011	1	8260B	7/24/15 23:32	MSC	P5G0461
1,1-Dichloroethylene	BRL	mg/kg dry	0.0039	0.00017	1	8260B	7/24/15 23:32	MSC	P5G0461
1,1-Dichloropropylene	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/24/15 23:32	MSC	P5G0461
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/24/15 23:32	MSC	P5G0461
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0039	0.00050	1	8260B	7/24/15 23:32	MSC	P5G0461
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0039	0.00029	1	8260B	7/24/15 23:32	MSC	P5G0461
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0039	0.00030	1	8260B	7/24/15 23:32	MSC	P5G0461

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-3 (2-3)
Prism Sample ID: 5070367-03
Prism Work Order: 5070367
Time Collected: 07/16/15 15:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dibromoethane	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/24/15 23:32	MSC	P5G0461
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0039	0.00018	1	8260B	7/24/15 23:32	MSC	P5G0461
1,2-Dichloroethane	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/24/15 23:32	MSC	P5G0461
1,2-Dichloropropane	BRL	mg/kg dry	0.0039	0.00024	1	8260B	7/24/15 23:32	MSC	P5G0461
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0039	0.00030	1	8260B	7/24/15 23:32	MSC	P5G0461
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0039	0.00026	1	8260B	7/24/15 23:32	MSC	P5G0461
1,3-Dichloropropane	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/24/15 23:32	MSC	P5G0461
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0039	0.00015	1	8260B	7/24/15 23:32	MSC	P5G0461
2,2-Dichloropropane	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/24/15 23:32	MSC	P5G0461
2-Chlorotoluene	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/24/15 23:32	MSC	P5G0461
4-Chlorotoluene	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/24/15 23:32	MSC	P5G0461
4-Isopropyltoluene	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/24/15 23:32	MSC	P5G0461
Acetone	BRL	mg/kg dry	0.039	0.00096	1	8260B	7/24/15 23:32	MSC	P5G0461
Benzene	BRL	mg/kg dry	0.0024	0.00023	1	8260B	7/24/15 23:32	MSC	P5G0461
Bromobenzene	BRL	mg/kg dry	0.0039	0.00033	1	8260B	7/24/15 23:32	MSC	P5G0461
Bromochloromethane	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/24/15 23:32	MSC	P5G0461
Bromodichloromethane	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/24/15 23:32	MSC	P5G0461
Bromoform	BRL	mg/kg dry	0.0039	0.00045	1	8260B	7/24/15 23:32	MSC	P5G0461
Bromomethane	BRL	mg/kg dry	0.0079	0.00049	1	8260B	7/24/15 23:32	MSC	P5G0461
Carbon Tetrachloride	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/24/15 23:32	MSC	P5G0461
Chlorobenzene	BRL	mg/kg dry	0.0039	0.00021	1	8260B	7/24/15 23:32	MSC	P5G0461
Chloroethane	BRL	mg/kg dry	0.0079	0.00033	1	8260B	7/24/15 23:32	MSC	P5G0461
Chloroform	BRL	mg/kg dry	0.0039	0.00028	1	8260B	7/24/15 23:32	MSC	P5G0461
Chloromethane	BRL	mg/kg dry	0.0039	0.00026	1	8260B	7/24/15 23:32	MSC	P5G0461
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0039	0.00017	1	8260B	7/24/15 23:32	MSC	P5G0461
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0039	0.00013	1	8260B	7/24/15 23:32	MSC	P5G0461
Dibromochloromethane	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/24/15 23:32	MSC	P5G0461
Dichlorodifluoromethane	BRL	mg/kg dry	0.0039	0.00018	1	8260B	7/24/15 23:32	MSC	P5G0461
Ethylbenzene	BRL	mg/kg dry	0.0039	0.00015	1	8260B	7/24/15 23:32	MSC	P5G0461
Isopropyl Ether	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/24/15 23:32	MSC	P5G0461
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/24/15 23:32	MSC	P5G0461
m,p-Xylenes	BRL	mg/kg dry	0.0079	0.00036	1	8260B	7/24/15 23:32	MSC	P5G0461
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.039	0.00036	1	8260B	7/24/15 23:32	MSC	P5G0461
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.079	0.00036	1	8260B	7/24/15 23:32	MSC	P5G0461
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.039	0.00034	1	8260B	7/24/15 23:32	MSC	P5G0461
Methylene Chloride	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/24/15 23:32	MSC	P5G0461
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0079	0.00013	1	8260B	7/24/15 23:32	MSC	P5G0461
Naphthalene	BRL	mg/kg dry	0.0079	0.00012	1	8260B	7/24/15 23:32	MSC	P5G0461
n-Butylbenzene	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/24/15 23:32	MSC	P5G0461
n-Propylbenzene	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/24/15 23:32	MSC	P5G0461
o-Xylene	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/24/15 23:32	MSC	P5G0461
sec-Butylbenzene	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/24/15 23:32	MSC	P5G0461
Styrene	BRL	mg/kg dry	0.0039	0.00024	1	8260B	7/24/15 23:32	MSC	P5G0461

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-3 (2-3)
Prism Sample ID: 5070367-03
Prism Work Order: 5070367
Time Collected: 07/16/15 15:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
tert-Butylbenzene	BRL	mg/kg dry	0.0039	0.00013	1	8260B	7/24/15 23:32	MSC	P5G0461
Tetrachloroethylene	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/24/15 23:32	MSC	P5G0461
Toluene	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/24/15 23:32	MSC	P5G0461
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0039	0.00024	1	8260B	7/24/15 23:32	MSC	P5G0461
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0039	0.00021	1	8260B	7/24/15 23:32	MSC	P5G0461
Trichloroethylene	BRL	mg/kg dry	0.0039	0.00025	1	8260B	7/24/15 23:32	MSC	P5G0461
Trichlorofluoromethane	BRL	mg/kg dry	0.0039	0.00025	1	8260B	7/24/15 23:32	MSC	P5G0461
Vinyl acetate	BRL	mg/kg dry	0.020	0.00054	1	8260B	7/24/15 23:32	MSC	P5G0461
Vinyl chloride	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/24/15 23:32	MSC	P5G0461
Xylenes, total	BRL	mg/kg dry	0.012	0.00074	1	8260B	7/24/15 23:32	MSC	P5G0461

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*110 %*	*70-130*
Dibromofluoromethane	*105 %*	*84-123*
Toluene-d8	*102 %*	*76-129*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-4 (8-10)
Prism Sample ID: 5070367-04
Prism Work Order: 5070367
Time Collected: 07/15/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**60.3**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.55	0.085	1	8270D	7/22/15 8:00	JMV	P5G0361
1,2-Dichlorobenzene	BRL	mg/kg dry	0.55	0.083	1	8270D	7/22/15 8:00	JMV	P5G0361
1,3-Dichlorobenzene	BRL	mg/kg dry	0.55	0.077	1	8270D	7/22/15 8:00	JMV	P5G0361
1,4-Dichlorobenzene	BRL	mg/kg dry	0.55	0.080	1	8270D	7/22/15 8:00	JMV	P5G0361
1-Methylnaphthalene	BRL	mg/kg dry	0.55	0.11	1	8270D	7/22/15 8:00	JMV	P5G0361
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.55	0.10	1	8270D	7/22/15 8:00	JMV	P5G0361
2,4-Dichlorophenol	BRL	mg/kg dry	0.55	0.11	1	8270D	7/22/15 8:00	JMV	P5G0361
2,4-Dimethylphenol	BRL	mg/kg dry	0.55	0.084	1	8270D	7/22/15 8:00	JMV	P5G0361
2,4-Dinitrophenol	BRL	mg/kg dry	0.55	0.076	1	8270D	7/22/15 8:00	JMV	P5G0361
2,4-Dinitrotoluene	BRL	mg/kg dry	0.55	0.066	1	8270D	7/22/15 8:00	JMV	P5G0361
2,6-Dinitrotoluene	BRL	mg/kg dry	0.55	0.073	1	8270D	7/22/15 8:00	JMV	P5G0361
2-Chloronaphthalene	BRL	mg/kg dry	0.55	0.079	1	8270D	7/22/15 8:00	JMV	P5G0361
2-Chlorophenol	BRL	mg/kg dry	0.55	0.078	1	8270D	7/22/15 8:00	JMV	P5G0361
2-Methylnaphthalene	BRL	mg/kg dry	0.55	0.088	1	8270D	7/22/15 8:00	JMV	P5G0361
2-Methylphenol	BRL	mg/kg dry	0.55	0.070	1	8270D	7/22/15 8:00	JMV	P5G0361
2-Nitrophenol	BRL	mg/kg dry	0.55	0.10	1	8270D	7/22/15 8:00	JMV	P5G0361
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.55	0.11	1	8270D	7/22/15 8:00	JMV	P5G0361
3/4-Methylphenol	BRL	mg/kg dry	0.55	0.067	1	8270D	7/22/15 8:00	JMV	P5G0361
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.55	0.082	1	8270D	7/22/15 8:00	JMV	P5G0361
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.55	0.094	1	8270D	7/22/15 8:00	JMV	P5G0361
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.55	0.077	1	8270D	7/22/15 8:00	JMV	P5G0361
4-Chloroaniline	BRL	mg/kg dry	0.55	0.066	1	8270D	7/22/15 8:00	JMV	P5G0361
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.55	0.071	1	8270D	7/22/15 8:00	JMV	P5G0361
4-Nitrophenol	BRL	mg/kg dry	0.55	0.084	1	8270D	7/22/15 8:00	JMV	P5G0361
Acenaphthene	BRL A	mg/kg dry	0.55	0.074	1	8270D	7/22/15 8:00	JMV	P5G0361
Acenaphthylene	BRL	mg/kg dry	0.55	0.079	1	8270D	7/22/15 8:00	JMV	P5G0361
Anthracene	BRL	mg/kg dry	0.55	0.088	1	8270D	7/22/15 8:00	JMV	P5G0361
Azobenzene	BRL	mg/kg dry	0.55	0.072	1	8270D	7/22/15 8:00	JMV	P5G0361
Benzo(a)anthracene	BRL	mg/kg dry	0.55	0.072	1	8270D	7/22/15 8:00	JMV	P5G0361
Benzo(a)pyrene	BRL	mg/kg dry	0.55	0.059	1	8270D	7/22/15 8:00	JMV	P5G0361
Benzo(b)fluoranthene	BRL	mg/kg dry	0.55	0.063	1	8270D	7/22/15 8:00	JMV	P5G0361
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.55	0.060	1	8270D	7/22/15 8:00	JMV	P5G0361
Benzo(k)fluoranthene	BRL	mg/kg dry	0.55	0.072	1	8270D	7/22/15 8:00	JMV	P5G0361
Benzoic Acid	BRL	mg/kg dry	0.55	0.046	1	8270D	7/22/15 8:00	JMV	P5G0361
Benzyl alcohol	BRL	mg/kg dry	0.55	0.072	1	8270D	7/22/15 8:00	JMV	P5G0361
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.55	0.095	1	8270D	7/22/15 8:00	JMV	P5G0361
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.55	0.077	1	8270D	7/22/15 8:00	JMV	P5G0361
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.55	0.093	1	8270D	7/22/15 8:00	JMV	P5G0361
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.55	0.081	1	8270D	7/22/15 8:00	JMV	P5G0361

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-4 (8-10)
Prism Sample ID: 5070367-04
Prism Work Order: 5070367
Time Collected: 07/15/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.55	0.078	1	8270D	7/22/15 8:00	JMV	P5G0361
Chrysene	BRL	mg/kg dry	0.55	0.069	1	8270D	7/22/15 8:00	JMV	P5G0361
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.55	0.067	1	8270D	7/22/15 8:00	JMV	P5G0361
Dibenzofuran	BRL	mg/kg dry	0.55	0.083	1	8270D	7/22/15 8:00	JMV	P5G0361
Diethyl phthalate	BRL	mg/kg dry	0.55	0.075	1	8270D	7/22/15 8:00	JMV	P5G0361
Dimethyl phthalate	BRL	mg/kg dry	0.55	0.072	1	8270D	7/22/15 8:00	JMV	P5G0361
Di-n-butyl phthalate	BRL	mg/kg dry	0.55	0.078	1	8270D	7/22/15 8:00	JMV	P5G0361
Di-n-octyl phthalate	BRL	mg/kg dry	0.55	0.067	1	8270D	7/22/15 8:00	JMV	P5G0361
Fluoranthene	BRL	mg/kg dry	0.55	0.070	1	8270D	7/22/15 8:00	JMV	P5G0361
Fluorene	BRL	mg/kg dry	0.55	0.079	1	8270D	7/22/15 8:00	JMV	P5G0361
Hexachlorobenzene	BRL	mg/kg dry	0.55	0.087	1	8270D	7/22/15 8:00	JMV	P5G0361
Hexachlorobutadiene	BRL	mg/kg dry	0.55	0.098	1	8270D	7/22/15 8:00	JMV	P5G0361
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.55	0.098	1	8270D	7/22/15 8:00	JMV	P5G0361
Hexachloroethane	BRL	mg/kg dry	0.55	0.092	1	8270D	7/22/15 8:00	JMV	P5G0361
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.55	0.063	1	8270D	7/22/15 8:00	JMV	P5G0361
Isophorone	BRL	mg/kg dry	0.55	0.074	1	8270D	7/22/15 8:00	JMV	P5G0361
Naphthalene	BRL	mg/kg dry	0.55	0.088	1	8270D	7/22/15 8:00	JMV	P5G0361
Nitrobenzene	BRL	mg/kg dry	0.55	0.078	1	8270D	7/22/15 8:00	JMV	P5G0361
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.55	0.086	1	8270D	7/22/15 8:00	JMV	P5G0361
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.55	0.083	1	8270D	7/22/15 8:00	JMV	P5G0361
Pentachlorophenol	BRL	mg/kg dry	0.55	0.065	1	8270D	7/22/15 8:00	JMV	P5G0361
Phenanthrene	BRL	mg/kg dry	0.55	0.071	1	8270D	7/22/15 8:00	JMV	P5G0361
Phenol	BRL	mg/kg dry	0.55	0.081	1	8270D	7/22/15 8:00	JMV	P5G0361
Pyrene	BRL	mg/kg dry	0.55	0.072	1	8270D	7/22/15 8:00	JMV	P5G0361

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*104 %*	*39-132*
2-Fluorobiphenyl	*92 %*	*44-115*
2-Fluorophenol	*109 %*	*35-115*
Nitrobenzene-d5	*90 %*	*37-122*
Phenol-d5	*109 %*	*34-121*
Terphenyl-d14	*106 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0043	0.00035	1	8260B	7/25/15 0:04	MSC	P5G0461
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0043	0.00021	1	8260B	7/25/15 0:04	MSC	P5G0461
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0043	0.00029	1	8260B	7/25/15 0:04	MSC	P5G0461
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0043	0.00038	1	8260B	7/25/15 0:04	MSC	P5G0461
1,1-Dichloroethane	BRL	mg/kg dry	0.0043	0.00012	1	8260B	7/25/15 0:04	MSC	P5G0461
1,1-Dichloroethylene	BRL	mg/kg dry	0.0043	0.00019	1	8260B	7/25/15 0:04	MSC	P5G0461
1,1-Dichloropropylene	BRL	mg/kg dry	0.0043	0.00024	1	8260B	7/25/15 0:04	MSC	P5G0461
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0043	0.00024	1	8260B	7/25/15 0:04	MSC	P5G0461
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0043	0.00055	1	8260B	7/25/15 0:04	MSC	P5G0461
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0043	0.00032	1	8260B	7/25/15 0:04	MSC	P5G0461
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0043	0.00033	1	8260B	7/25/15 0:04	MSC	P5G0461

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-4 (8-10)
Prism Sample ID: 5070367-04
Prism Work Order: 5070367
Time Collected: 07/15/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dibromoethane	BRL	mg/kg dry	0.0043	0.00017	1	8260B	7/25/15 0:04	MSC	P5G0461
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0043	0.00020	1	8260B	7/25/15 0:04	MSC	P5G0461
1,2-Dichloroethane	BRL	mg/kg dry	0.0043	0.00026	1	8260B	7/25/15 0:04	MSC	P5G0461
1,2-Dichloropropane	BRL	mg/kg dry	0.0043	0.00027	1	8260B	7/25/15 0:04	MSC	P5G0461
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0043	0.00032	1	8260B	7/25/15 0:04	MSC	P5G0461
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0043	0.00028	1	8260B	7/25/15 0:04	MSC	P5G0461
1,3-Dichloropropane	BRL	mg/kg dry	0.0043	0.00022	1	8260B	7/25/15 0:04	MSC	P5G0461
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0043	0.00017	1	8260B	7/25/15 0:04	MSC	P5G0461
2,2-Dichloropropane	BRL	mg/kg dry	0.0043	0.00020	1	8260B	7/25/15 0:04	MSC	P5G0461
2-Chlorotoluene	BRL	mg/kg dry	0.0043	0.00022	1	8260B	7/25/15 0:04	MSC	P5G0461
4-Chlorotoluene	BRL	mg/kg dry	0.0043	0.00026	1	8260B	7/25/15 0:04	MSC	P5G0461
4-Isopropyltoluene	BRL	mg/kg dry	0.0043	0.00021	1	8260B	7/25/15 0:04	MSC	P5G0461
Acetone	BRL	mg/kg dry	0.043	0.0010	1	8260B	7/25/15 0:04	MSC	P5G0461
Benzene	BRL	mg/kg dry	0.0026	0.00025	1	8260B	7/25/15 0:04	MSC	P5G0461
Bromobenzene	BRL	mg/kg dry	0.0043	0.00036	1	8260B	7/25/15 0:04	MSC	P5G0461
Bromochloromethane	BRL	mg/kg dry	0.0043	0.00024	1	8260B	7/25/15 0:04	MSC	P5G0461
Bromodichloromethane	BRL	mg/kg dry	0.0043	0.00024	1	8260B	7/25/15 0:04	MSC	P5G0461
Bromoform	BRL	mg/kg dry	0.0043	0.00049	1	8260B	7/25/15 0:04	MSC	P5G0461
Bromomethane	BRL	mg/kg dry	0.0086	0.00053	1	8260B	7/25/15 0:04	MSC	P5G0461
Carbon Tetrachloride	BRL	mg/kg dry	0.0043	0.00021	1	8260B	7/25/15 0:04	MSC	P5G0461
Chlorobenzene	BRL	mg/kg dry	0.0043	0.00023	1	8260B	7/25/15 0:04	MSC	P5G0461
Chloroethane	BRL	mg/kg dry	0.0086	0.00036	1	8260B	7/25/15 0:04	MSC	P5G0461
Chloroform	BRL	mg/kg dry	0.0043	0.00031	1	8260B	7/25/15 0:04	MSC	P5G0461
Chloromethane	BRL	mg/kg dry	0.0043	0.00029	1	8260B	7/25/15 0:04	MSC	P5G0461
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0043	0.00018	1	8260B	7/25/15 0:04	MSC	P5G0461
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0043	0.00014	1	8260B	7/25/15 0:04	MSC	P5G0461
Dibromochloromethane	BRL	mg/kg dry	0.0043	0.00018	1	8260B	7/25/15 0:04	MSC	P5G0461
Dichlorodifluoromethane	BRL	mg/kg dry	0.0043	0.00020	1	8260B	7/25/15 0:04	MSC	P5G0461
Ethylbenzene	BRL	mg/kg dry	0.0043	0.00017	1	8260B	7/25/15 0:04	MSC	P5G0461
Isopropyl Ether	BRL	mg/kg dry	0.0043	0.00018	1	8260B	7/25/15 0:04	MSC	P5G0461
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0043	0.00025	1	8260B	7/25/15 0:04	MSC	P5G0461
m,p-Xylenes	BRL	mg/kg dry	0.0086	0.00040	1	8260B	7/25/15 0:04	MSC	P5G0461
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.043	0.00039	1	8260B	7/25/15 0:04	MSC	P5G0461
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.086	0.00039	1	8260B	7/25/15 0:04	MSC	P5G0461
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.043	0.00037	1	8260B	7/25/15 0:04	MSC	P5G0461
Methylene Chloride	BRL	mg/kg dry	0.0043	0.00024	1	8260B	7/25/15 0:04	MSC	P5G0461
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0086	0.00014	1	8260B	7/25/15 0:04	MSC	P5G0461
Naphthalene	BRL	mg/kg dry	0.0086	0.00014	1	8260B	7/25/15 0:04	MSC	P5G0461
n-Butylbenzene	BRL	mg/kg dry	0.0043	0.00022	1	8260B	7/25/15 0:04	MSC	P5G0461
n-Propylbenzene	BRL	mg/kg dry	0.0043	0.00026	1	8260B	7/25/15 0:04	MSC	P5G0461
o-Xylene	BRL	mg/kg dry	0.0043	0.00018	1	8260B	7/25/15 0:04	MSC	P5G0461
sec-Butylbenzene	BRL	mg/kg dry	0.0043	0.00021	1	8260B	7/25/15 0:04	MSC	P5G0461
Styrene	BRL	mg/kg dry	0.0043	0.00026	1	8260B	7/25/15 0:04	MSC	P5G0461

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-4 (8-10)
Prism Sample ID: 5070367-04
Prism Work Order: 5070367
Time Collected: 07/15/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
tert-Butylbenzene	BRL	mg/kg dry	0.0043	0.00015	1	8260B	7/25/15 0:04	MSC	P5G0461
Tetrachloroethylene	BRL	mg/kg dry	0.0043	0.00020	1	8260B	7/25/15 0:04	MSC	P5G0461
Toluene	BRL	mg/kg dry	0.0043	0.00025	1	8260B	7/25/15 0:04	MSC	P5G0461
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0043	0.00026	1	8260B	7/25/15 0:04	MSC	P5G0461
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0043	0.00023	1	8260B	7/25/15 0:04	MSC	P5G0461
Trichloroethylene	BRL	mg/kg dry	0.0043	0.00028	1	8260B	7/25/15 0:04	MSC	P5G0461
Trichlorofluoromethane	BRL	mg/kg dry	0.0043	0.00028	1	8260B	7/25/15 0:04	MSC	P5G0461
Vinyl acetate	BRL	mg/kg dry	0.021	0.00059	1	8260B	7/25/15 0:04	MSC	P5G0461
Vinyl chloride	BRL	mg/kg dry	0.0043	0.00021	1	8260B	7/25/15 0:04	MSC	P5G0461
Xylenes, total	BRL	mg/kg dry	0.013	0.00081	1	8260B	7/25/15 0:04	MSC	P5G0461

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*111 %*	*70-130*
Dibromofluoromethane	*106 %*	*84-123*
Toluene-d8	*103 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-5 (1-3)
Prism Sample ID: 5070367-05
Prism Work Order: 5070367
Time Collected: 07/15/15 09:20
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**76.2**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.43	0.068	1	8270D	7/22/15 8:21	JMV	P5G0361
1,2-Dichlorobenzene	BRL	mg/kg dry	0.43	0.066	1	8270D	7/22/15 8:21	JMV	P5G0361
1,3-Dichlorobenzene	BRL	mg/kg dry	0.43	0.061	1	8270D	7/22/15 8:21	JMV	P5G0361
1,4-Dichlorobenzene	BRL	mg/kg dry	0.43	0.063	1	8270D	7/22/15 8:21	JMV	P5G0361
1-Methylnaphthalene	BRL	mg/kg dry	0.43	0.083	1	8270D	7/22/15 8:21	JMV	P5G0361
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.43	0.081	1	8270D	7/22/15 8:21	JMV	P5G0361
2,4-Dichlorophenol	BRL	mg/kg dry	0.43	0.084	1	8270D	7/22/15 8:21	JMV	P5G0361
2,4-Dimethylphenol	BRL	mg/kg dry	0.43	0.066	1	8270D	7/22/15 8:21	JMV	P5G0361
2,4-Dinitrophenol	BRL	mg/kg dry	0.43	0.060	1	8270D	7/22/15 8:21	JMV	P5G0361
2,4-Dinitrotoluene	BRL	mg/kg dry	0.43	0.053	1	8270D	7/22/15 8:21	JMV	P5G0361
2,6-Dinitrotoluene	BRL	mg/kg dry	0.43	0.058	1	8270D	7/22/15 8:21	JMV	P5G0361
2-Chloronaphthalene	BRL	mg/kg dry	0.43	0.063	1	8270D	7/22/15 8:21	JMV	P5G0361
2-Chlorophenol	BRL	mg/kg dry	0.43	0.061	1	8270D	7/22/15 8:21	JMV	P5G0361
2-Methylnaphthalene	BRL	mg/kg dry	0.43	0.069	1	8270D	7/22/15 8:21	JMV	P5G0361
2-Methylphenol	BRL	mg/kg dry	0.43	0.055	1	8270D	7/22/15 8:21	JMV	P5G0361
2-Nitrophenol	BRL	mg/kg dry	0.43	0.079	1	8270D	7/22/15 8:21	JMV	P5G0361
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.43	0.085	1	8270D	7/22/15 8:21	JMV	P5G0361
3/4-Methylphenol	BRL	mg/kg dry	0.43	0.053	1	8270D	7/22/15 8:21	JMV	P5G0361
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.43	0.065	1	8270D	7/22/15 8:21	JMV	P5G0361
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.43	0.074	1	8270D	7/22/15 8:21	JMV	P5G0361
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.43	0.061	1	8270D	7/22/15 8:21	JMV	P5G0361
4-Chloroaniline	BRL	mg/kg dry	0.43	0.052	1	8270D	7/22/15 8:21	JMV	P5G0361
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.43	0.056	1	8270D	7/22/15 8:21	JMV	P5G0361
4-Nitrophenol	BRL	mg/kg dry	0.43	0.067	1	8270D	7/22/15 8:21	JMV	P5G0361
Acenaphthene	BRL A	mg/kg dry	0.43	0.059	1	8270D	7/22/15 8:21	JMV	P5G0361
Acenaphthylene	BRL	mg/kg dry	0.43	0.063	1	8270D	7/22/15 8:21	JMV	P5G0361
Anthracene	BRL	mg/kg dry	0.43	0.070	1	8270D	7/22/15 8:21	JMV	P5G0361
Azobenzene	BRL	mg/kg dry	0.43	0.057	1	8270D	7/22/15 8:21	JMV	P5G0361
Benzo(a)anthracene	BRL	mg/kg dry	0.43	0.057	1	8270D	7/22/15 8:21	JMV	P5G0361
Benzo(a)pyrene	BRL	mg/kg dry	0.43	0.047	1	8270D	7/22/15 8:21	JMV	P5G0361
Benzo(b)fluoranthene	BRL	mg/kg dry	0.43	0.050	1	8270D	7/22/15 8:21	JMV	P5G0361
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.43	0.047	1	8270D	7/22/15 8:21	JMV	P5G0361
Benzo(k)fluoranthene	BRL	mg/kg dry	0.43	0.057	1	8270D	7/22/15 8:21	JMV	P5G0361
Benzoic Acid	BRL	mg/kg dry	0.43	0.036	1	8270D	7/22/15 8:21	JMV	P5G0361
Benzyl alcohol	BRL	mg/kg dry	0.43	0.057	1	8270D	7/22/15 8:21	JMV	P5G0361
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.43	0.075	1	8270D	7/22/15 8:21	JMV	P5G0361
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.43	0.061	1	8270D	7/22/15 8:21	JMV	P5G0361
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.43	0.074	1	8270D	7/22/15 8:21	JMV	P5G0361
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.43	0.064	1	8270D	7/22/15 8:21	JMV	P5G0361

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-5 (1-3)
Prism Sample ID: 5070367-05
Prism Work Order: 5070367
Time Collected: 07/15/15 09:20
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.43	0.062	1	8270D	7/22/15 8:21	JMV	P5G0361
Chrysene	BRL	mg/kg dry	0.43	0.055	1	8270D	7/22/15 8:21	JMV	P5G0361
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.43	0.053	1	8270D	7/22/15 8:21	JMV	P5G0361
Dibenzofuran	BRL	mg/kg dry	0.43	0.066	1	8270D	7/22/15 8:21	JMV	P5G0361
Diethyl phthalate	BRL	mg/kg dry	0.43	0.060	1	8270D	7/22/15 8:21	JMV	P5G0361
Dimethyl phthalate	BRL	mg/kg dry	0.43	0.057	1	8270D	7/22/15 8:21	JMV	P5G0361
Di-n-butyl phthalate	BRL	mg/kg dry	0.43	0.061	1	8270D	7/22/15 8:21	JMV	P5G0361
Di-n-octyl phthalate	BRL	mg/kg dry	0.43	0.053	1	8270D	7/22/15 8:21	JMV	P5G0361
Fluoranthene	BRL	mg/kg dry	0.43	0.055	1	8270D	7/22/15 8:21	JMV	P5G0361
Fluorene	BRL	mg/kg dry	0.43	0.062	1	8270D	7/22/15 8:21	JMV	P5G0361
Hexachlorobenzene	BRL	mg/kg dry	0.43	0.069	1	8270D	7/22/15 8:21	JMV	P5G0361
Hexachlorobutadiene	BRL	mg/kg dry	0.43	0.078	1	8270D	7/22/15 8:21	JMV	P5G0361
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.43	0.077	1	8270D	7/22/15 8:21	JMV	P5G0361
Hexachloroethane	BRL	mg/kg dry	0.43	0.073	1	8270D	7/22/15 8:21	JMV	P5G0361
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.43	0.050	1	8270D	7/22/15 8:21	JMV	P5G0361
Isophorone	BRL	mg/kg dry	0.43	0.059	1	8270D	7/22/15 8:21	JMV	P5G0361
Naphthalene	BRL	mg/kg dry	0.43	0.070	1	8270D	7/22/15 8:21	JMV	P5G0361
Nitrobenzene	BRL	mg/kg dry	0.43	0.061	1	8270D	7/22/15 8:21	JMV	P5G0361
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.43	0.068	1	8270D	7/22/15 8:21	JMV	P5G0361
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.43	0.066	1	8270D	7/22/15 8:21	JMV	P5G0361
Pentachlorophenol	BRL	mg/kg dry	0.43	0.051	1	8270D	7/22/15 8:21	JMV	P5G0361
Phenanthrene	BRL	mg/kg dry	0.43	0.056	1	8270D	7/22/15 8:21	JMV	P5G0361
Phenol	BRL	mg/kg dry	0.43	0.064	1	8270D	7/22/15 8:21	JMV	P5G0361
Pyrene	BRL	mg/kg dry	0.43	0.057	1	8270D	7/22/15 8:21	JMV	P5G0361

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*106 %*	*39-132*
2-Fluorobiphenyl	*101 %*	*44-115*
2-Fluorophenol	*106 %*	*35-115*
Nitrobenzene-d5	*92 %*	*37-122*
Phenol-d5	*108 %*	*34-121*
Terphenyl-d14	*108 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0039	0.00032	1	8260B	7/25/15 0:35	MSC	P5G0461
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/25/15 0:35	MSC	P5G0461
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0039	0.00026	1	8260B	7/25/15 0:35	MSC	P5G0461
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0039	0.00034	1	8260B	7/25/15 0:35	MSC	P5G0461
1,1-Dichloroethane	BRL	mg/kg dry	0.0039	0.00011	1	8260B	7/25/15 0:35	MSC	P5G0461
1,1-Dichloroethylene	BRL	mg/kg dry	0.0039	0.00017	1	8260B	7/25/15 0:35	MSC	P5G0461
1,1-Dichloropropylene	BRL	mg/kg dry	0.0039	0.00021	1	8260B	7/25/15 0:35	MSC	P5G0461
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/25/15 0:35	MSC	P5G0461
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0039	0.00049	1	8260B	7/25/15 0:35	MSC	P5G0461
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0039	0.00029	1	8260B	7/25/15 0:35	MSC	P5G0461
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0039	0.00029	1	8260B	7/25/15 0:35	MSC	P5G0461

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-5 (1-3)
Prism Sample ID: 5070367-05
Prism Work Order: 5070367
Time Collected: 07/15/15 09:20
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dibromoethane	BRL	mg/kg dry	0.0039	0.00015	1	8260B	7/25/15 0:35	MSC	P5G0461
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0039	0.00018	1	8260B	7/25/15 0:35	MSC	P5G0461
1,2-Dichloroethane	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/25/15 0:35	MSC	P5G0461
1,2-Dichloropropane	BRL	mg/kg dry	0.0039	0.00024	1	8260B	7/25/15 0:35	MSC	P5G0461
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0039	0.00029	1	8260B	7/25/15 0:35	MSC	P5G0461
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0039	0.00026	1	8260B	7/25/15 0:35	MSC	P5G0461
1,3-Dichloropropane	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/25/15 0:35	MSC	P5G0461
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0039	0.00015	1	8260B	7/25/15 0:35	MSC	P5G0461
2,2-Dichloropropane	BRL	mg/kg dry	0.0039	0.00018	1	8260B	7/25/15 0:35	MSC	P5G0461
2-Chlorotoluene	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/25/15 0:35	MSC	P5G0461
4-Chlorotoluene	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/25/15 0:35	MSC	P5G0461
4-Isopropyltoluene	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/25/15 0:35	MSC	P5G0461
Acetone	**0.11**	**mg/kg dry**	**0.039**	**0.00094**	**1**	**8260B**	**7/25/15 0:35**	**MSC**	**P5G0461**
Benzene	BRL	mg/kg dry	0.0023	0.00022	1	8260B	7/25/15 0:35	MSC	P5G0461
Bromobenzene	BRL	mg/kg dry	0.0039	0.00032	1	8260B	7/25/15 0:35	MSC	P5G0461
Bromochloromethane	BRL	mg/kg dry	0.0039	0.00021	1	8260B	7/25/15 0:35	MSC	P5G0461
Bromodichloromethane	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/25/15 0:35	MSC	P5G0461
Bromoform	BRL	mg/kg dry	0.0039	0.00044	1	8260B	7/25/15 0:35	MSC	P5G0461
Bromomethane	BRL	mg/kg dry	0.0077	0.00048	1	8260B	7/25/15 0:35	MSC	P5G0461
Carbon Tetrachloride	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/25/15 0:35	MSC	P5G0461
Chlorobenzene	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/25/15 0:35	MSC	P5G0461
Chloroethane	BRL	mg/kg dry	0.0077	0.00032	1	8260B	7/25/15 0:35	MSC	P5G0461
Chloroform	BRL	mg/kg dry	0.0039	0.00028	1	8260B	7/25/15 0:35	MSC	P5G0461
Chloromethane	BRL	mg/kg dry	0.0039	0.00026	1	8260B	7/25/15 0:35	MSC	P5G0461
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/25/15 0:35	MSC	P5G0461
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0039	0.00013	1	8260B	7/25/15 0:35	MSC	P5G0461
Dibromochloromethane	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/25/15 0:35	MSC	P5G0461
Dichlorodifluoromethane	BRL	mg/kg dry	0.0039	0.00018	1	8260B	7/25/15 0:35	MSC	P5G0461
Ethylbenzene	BRL	mg/kg dry	0.0039	0.00015	1	8260B	7/25/15 0:35	MSC	P5G0461
Isopropyl Ether	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/25/15 0:35	MSC	P5G0461
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/25/15 0:35	MSC	P5G0461
m,p-Xylenes	BRL	mg/kg dry	0.0077	0.00036	1	8260B	7/25/15 0:35	MSC	P5G0461
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.039	0.00035	1	8260B	7/25/15 0:35	MSC	P5G0461
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.077	0.00035	1	8260B	7/25/15 0:35	MSC	P5G0461
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.039	0.00033	1	8260B	7/25/15 0:35	MSC	P5G0461
Methylene Chloride	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/25/15 0:35	MSC	P5G0461
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0077	0.00012	1	8260B	7/25/15 0:35	MSC	P5G0461
Naphthalene	BRL	mg/kg dry	0.0077	0.00012	1	8260B	7/25/15 0:35	MSC	P5G0461
n-Butylbenzene	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/25/15 0:35	MSC	P5G0461
n-Propylbenzene	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/25/15 0:35	MSC	P5G0461
o-Xylene	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/25/15 0:35	MSC	P5G0461
sec-Butylbenzene	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/25/15 0:35	MSC	P5G0461
Styrene	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/25/15 0:35	MSC	P5G0461

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-5 (1-3)
Prism Sample ID: 5070367-05
Prism Work Order: 5070367
Time Collected: 07/15/15 09:20
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
tert-Butylbenzene	BRL	mg/kg dry	0.0039	0.00013	1	8260B	7/25/15 0:35	MSC	P5G0461
Tetrachloroethylene	BRL	mg/kg dry	0.0039	0.00018	1	8260B	7/25/15 0:35	MSC	P5G0461
Toluene	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/25/15 0:35	MSC	P5G0461
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/25/15 0:35	MSC	P5G0461
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/25/15 0:35	MSC	P5G0461
Trichloroethylene	BRL	mg/kg dry	0.0039	0.00025	1	8260B	7/25/15 0:35	MSC	P5G0461
Trichlorofluoromethane	BRL	mg/kg dry	0.0039	0.00025	1	8260B	7/25/15 0:35	MSC	P5G0461
Vinyl acetate	BRL	mg/kg dry	0.019	0.00053	1	8260B	7/25/15 0:35	MSC	P5G0461
Vinyl chloride	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/25/15 0:35	MSC	P5G0461
Xylenes, total	BRL	mg/kg dry	0.012	0.00072	1	8260B	7/25/15 0:35	MSC	P5G0461

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*113 %*	*70-130*
Dibromofluoromethane	*103 %*	*84-123*
Toluene-d8	*100 %*	*76-129*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-6 (4-5)
Prism Sample ID: 5070367-06
Prism Work Order: 5070367
Time Collected: 07/14/15 16:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**78.3**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0042	0.00034	1	8260B	7/25/15 1:06	MSC	P5G0461
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/25/15 1:06	MSC	P5G0461
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0042	0.00028	1	8260B	7/25/15 1:06	MSC	P5G0461
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0042	0.00037	1	8260B	7/25/15 1:06	MSC	P5G0461
1,1-Dichloroethane	BRL	mg/kg dry	0.0042	0.00012	1	8260B	7/25/15 1:06	MSC	P5G0461
1,1-Dichloroethylene	BRL	mg/kg dry	0.0042	0.00018	1	8260B	7/25/15 1:06	MSC	P5G0461
1,1-Dichloropropylene	BRL	mg/kg dry	0.0042	0.00023	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0042	0.00024	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0042	0.00053	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0042	0.00031	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0042	0.00032	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2-Dibromoethane	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2-Dichloroethane	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2-Dichloropropane	BRL	mg/kg dry	0.0042	0.00026	1	8260B	7/25/15 1:06	MSC	P5G0461
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0042	0.00032	1	8260B	7/25/15 1:06	MSC	P5G0461
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0042	0.00028	1	8260B	7/25/15 1:06	MSC	P5G0461
1,3-Dichloropropane	BRL	mg/kg dry	0.0042	0.00021	1	8260B	7/25/15 1:06	MSC	P5G0461
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0042	0.00016	1	8260B	7/25/15 1:06	MSC	P5G0461
2,2-Dichloropropane	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/25/15 1:06	MSC	P5G0461
2-Chlorotoluene	BRL	mg/kg dry	0.0042	0.00022	1	8260B	7/25/15 1:06	MSC	P5G0461
4-Chlorotoluene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/25/15 1:06	MSC	P5G0461
4-Isopropyltoluene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/25/15 1:06	MSC	P5G0461
Acetone	**0.10**	**mg/kg dry**	**0.042**	**0.0010**	**1**	**8260B**	**7/25/15 1:06**	**MSC**	**P5G0461**
Benzene	BRL	mg/kg dry	0.0025	0.00024	1	8260B	7/25/15 1:06	MSC	P5G0461
Bromobenzene	BRL	mg/kg dry	0.0042	0.00035	1	8260B	7/25/15 1:06	MSC	P5G0461
Bromochloromethane	BRL	mg/kg dry	0.0042	0.00023	1	8260B	7/25/15 1:06	MSC	P5G0461
Bromodichloromethane	BRL	mg/kg dry	0.0042	0.00023	1	8260B	7/25/15 1:06	MSC	P5G0461
Bromoform	BRL	mg/kg dry	0.0042	0.00047	1	8260B	7/25/15 1:06	MSC	P5G0461
Bromomethane	BRL	mg/kg dry	0.0084	0.00052	1	8260B	7/25/15 1:06	MSC	P5G0461
Carbon Tetrachloride	BRL	mg/kg dry	0.0042	0.00021	1	8260B	7/25/15 1:06	MSC	P5G0461
Chlorobenzene	BRL	mg/kg dry	0.0042	0.00022	1	8260B	7/25/15 1:06	MSC	P5G0461
Chloroethane	BRL	mg/kg dry	0.0084	0.00035	1	8260B	7/25/15 1:06	MSC	P5G0461
Chloroform	BRL	mg/kg dry	0.0042	0.00030	1	8260B	7/25/15 1:06	MSC	P5G0461
Chloromethane	BRL	mg/kg dry	0.0042	0.00028	1	8260B	7/25/15 1:06	MSC	P5G0461
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0042	0.00018	1	8260B	7/25/15 1:06	MSC	P5G0461
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0042	0.00014	1	8260B	7/25/15 1:06	MSC	P5G0461
Dibromochloromethane	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/25/15 1:06	MSC	P5G0461
Dichlorodifluoromethane	BRL	mg/kg dry	0.0042	0.00019	1	8260B	7/25/15 1:06	MSC	P5G0461

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-6 (4-5)
Prism Sample ID: 5070367-06
Prism Work Order: 5070367
Time Collected: 07/14/15 16:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0042	0.00016	1	8260B	7/25/15 1:06	MSC	P5G0461
Isopropyl Ether	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/25/15 1:06	MSC	P5G0461
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/25/15 1:06	MSC	P5G0461
m,p-Xylenes	BRL	mg/kg dry	0.0084	0.00039	1	8260B	7/25/15 1:06	MSC	P5G0461
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.042	0.00038	1	8260B	7/25/15 1:06	MSC	P5G0461
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.084	0.00038	1	8260B	7/25/15 1:06	MSC	P5G0461
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.042	0.00036	1	8260B	7/25/15 1:06	MSC	P5G0461
Methylene Chloride	BRL	mg/kg dry	0.0042	0.00023	1	8260B	7/25/15 1:06	MSC	P5G0461
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0084	0.00013	1	8260B	7/25/15 1:06	MSC	P5G0461
Naphthalene	BRL	mg/kg dry	0.0084	0.00013	1	8260B	7/25/15 1:06	MSC	P5G0461
n-Butylbenzene	BRL	mg/kg dry	0.0042	0.00021	1	8260B	7/25/15 1:06	MSC	P5G0461
n-Propylbenzene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/25/15 1:06	MSC	P5G0461
o-Xylene	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/25/15 1:06	MSC	P5G0461
sec-Butylbenzene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/25/15 1:06	MSC	P5G0461
Styrene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/25/15 1:06	MSC	P5G0461
tert-Butylbenzene	BRL	mg/kg dry	0.0042	0.00014	1	8260B	7/25/15 1:06	MSC	P5G0461
Tetrachloroethylene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/25/15 1:06	MSC	P5G0461
Toluene	BRL	mg/kg dry	0.0042	0.00024	1	8260B	7/25/15 1:06	MSC	P5G0461
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/25/15 1:06	MSC	P5G0461
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0042	0.00022	1	8260B	7/25/15 1:06	MSC	P5G0461
Trichloroethylene	BRL	mg/kg dry	0.0042	0.00027	1	8260B	7/25/15 1:06	MSC	P5G0461
Trichlorofluoromethane	BRL	mg/kg dry	0.0042	0.00027	1	8260B	7/25/15 1:06	MSC	P5G0461
Vinyl acetate	BRL	mg/kg dry	0.021	0.00057	1	8260B	7/25/15 1:06	MSC	P5G0461
Vinyl chloride	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/25/15 1:06	MSC	P5G0461
Xylenes, total	BRL	mg/kg dry	0.013	0.00078	1	8260B	7/25/15 1:06	MSC	P5G0461

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*109 %*	*70-130*
Dibromofluoromethane	*101 %*	*84-123*
Toluene-d8	*96 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-7 (3-4)
Prism Sample ID: 5070367-07
Prism Work Order: 5070367
Time Collected: 07/17/15 08:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**69.9**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.47	0.074	1	8270D	7/22/15 8:42	JMV	P5G0361
1,2-Dichlorobenzene	BRL	mg/kg dry	0.47	0.072	1	8270D	7/22/15 8:42	JMV	P5G0361
1,3-Dichlorobenzene	BRL	mg/kg dry	0.47	0.067	1	8270D	7/22/15 8:42	JMV	P5G0361
1,4-Dichlorobenzene	BRL	mg/kg dry	0.47	0.069	1	8270D	7/22/15 8:42	JMV	P5G0361
1-Methylnaphthalene	BRL	mg/kg dry	0.47	0.091	1	8270D	7/22/15 8:42	JMV	P5G0361
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.47	0.089	1	8270D	7/22/15 8:42	JMV	P5G0361
2,4-Dichlorophenol	BRL	mg/kg dry	0.47	0.091	1	8270D	7/22/15 8:42	JMV	P5G0361
2,4-Dimethylphenol	BRL	mg/kg dry	0.47	0.072	1	8270D	7/22/15 8:42	JMV	P5G0361
2,4-Dinitrophenol	BRL	mg/kg dry	0.47	0.066	1	8270D	7/22/15 8:42	JMV	P5G0361
2,4-Dinitrotoluene	BRL	mg/kg dry	0.47	0.057	1	8270D	7/22/15 8:42	JMV	P5G0361
2,6-Dinitrotoluene	BRL	mg/kg dry	0.47	0.063	1	8270D	7/22/15 8:42	JMV	P5G0361
2-Chloronaphthalene	BRL	mg/kg dry	0.47	0.068	1	8270D	7/22/15 8:42	JMV	P5G0361
2-Chlorophenol	BRL	mg/kg dry	0.47	0.067	1	8270D	7/22/15 8:42	JMV	P5G0361
2-Methylnaphthalene	BRL	mg/kg dry	0.47	0.076	1	8270D	7/22/15 8:42	JMV	P5G0361
2-Methylphenol	BRL	mg/kg dry	0.47	0.060	1	8270D	7/22/15 8:42	JMV	P5G0361
2-Nitrophenol	BRL	mg/kg dry	0.47	0.086	1	8270D	7/22/15 8:42	JMV	P5G0361
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.47	0.093	1	8270D	7/22/15 8:42	JMV	P5G0361
3/4-Methylphenol	BRL	mg/kg dry	0.47	0.058	1	8270D	7/22/15 8:42	JMV	P5G0361
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.47	0.071	1	8270D	7/22/15 8:42	JMV	P5G0361
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.47	0.081	1	8270D	7/22/15 8:42	JMV	P5G0361
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.47	0.066	1	8270D	7/22/15 8:42	JMV	P5G0361
4-Chloroaniline	BRL	mg/kg dry	0.47	0.057	1	8270D	7/22/15 8:42	JMV	P5G0361
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.47	0.061	1	8270D	7/22/15 8:42	JMV	P5G0361
4-Nitrophenol	BRL	mg/kg dry	0.47	0.073	1	8270D	7/22/15 8:42	JMV	P5G0361
Acenaphthene	BRL A	mg/kg dry	0.47	0.064	1	8270D	7/22/15 8:42	JMV	P5G0361
Acenaphthylene	BRL	mg/kg dry	0.47	0.068	1	8270D	7/22/15 8:42	JMV	P5G0361
Anthracene	BRL	mg/kg dry	0.47	0.076	1	8270D	7/22/15 8:42	JMV	P5G0361
Azobenzene	BRL	mg/kg dry	0.47	0.062	1	8270D	7/22/15 8:42	JMV	P5G0361
Benzo(a)anthracene	BRL	mg/kg dry	0.47	0.062	1	8270D	7/22/15 8:42	JMV	P5G0361
Benzo(a)pyrene	BRL	mg/kg dry	0.47	0.051	1	8270D	7/22/15 8:42	JMV	P5G0361
Benzo(b)fluoranthene	BRL	mg/kg dry	0.47	0.055	1	8270D	7/22/15 8:42	JMV	P5G0361
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.47	0.052	1	8270D	7/22/15 8:42	JMV	P5G0361
Benzo(k)fluoranthene	BRL	mg/kg dry	0.47	0.062	1	8270D	7/22/15 8:42	JMV	P5G0361
Benzoic Acid	BRL	mg/kg dry	0.47	0.040	1	8270D	7/22/15 8:42	JMV	P5G0361
Benzyl alcohol	BRL	mg/kg dry	0.47	0.062	1	8270D	7/22/15 8:42	JMV	P5G0361
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.47	0.082	1	8270D	7/22/15 8:42	JMV	P5G0361
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.47	0.067	1	8270D	7/22/15 8:42	JMV	P5G0361
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.47	0.081	1	8270D	7/22/15 8:42	JMV	P5G0361
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.47	0.070	1	8270D	7/22/15 8:42	JMV	P5G0361

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-7 (3-4)
Prism Sample ID: 5070367-07
Prism Work Order: 5070367
Time Collected: 07/17/15 08:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.47	0.067	1	8270D	7/22/15 8:42	JMV	P5G0361
Chrysene	BRL	mg/kg dry	0.47	0.059	1	8270D	7/22/15 8:42	JMV	P5G0361
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.47	0.057	1	8270D	7/22/15 8:42	JMV	P5G0361
Dibenzofuran	BRL	mg/kg dry	0.47	0.072	1	8270D	7/22/15 8:42	JMV	P5G0361
Diethyl phthalate	BRL	mg/kg dry	0.47	0.065	1	8270D	7/22/15 8:42	JMV	P5G0361
Dimethyl phthalate	BRL	mg/kg dry	0.47	0.062	1	8270D	7/22/15 8:42	JMV	P5G0361
Di-n-butyl phthalate	BRL	mg/kg dry	0.47	0.067	1	8270D	7/22/15 8:42	JMV	P5G0361
Di-n-octyl phthalate	BRL	mg/kg dry	0.47	0.058	1	8270D	7/22/15 8:42	JMV	P5G0361
Fluoranthene	BRL	mg/kg dry	0.47	0.060	1	8270D	7/22/15 8:42	JMV	P5G0361
Fluorene	BRL	mg/kg dry	0.47	0.068	1	8270D	7/22/15 8:42	JMV	P5G0361
Hexachlorobenzene	BRL	mg/kg dry	0.47	0.075	1	8270D	7/22/15 8:42	JMV	P5G0361
Hexachlorobutadiene	BRL	mg/kg dry	0.47	0.085	1	8270D	7/22/15 8:42	JMV	P5G0361
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.47	0.084	1	8270D	7/22/15 8:42	JMV	P5G0361
Hexachloroethane	BRL	mg/kg dry	0.47	0.079	1	8270D	7/22/15 8:42	JMV	P5G0361
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.47	0.054	1	8270D	7/22/15 8:42	JMV	P5G0361
Isophorone	BRL	mg/kg dry	0.47	0.064	1	8270D	7/22/15 8:42	JMV	P5G0361
Naphthalene	BRL	mg/kg dry	0.47	0.076	1	8270D	7/22/15 8:42	JMV	P5G0361
Nitrobenzene	BRL	mg/kg dry	0.47	0.067	1	8270D	7/22/15 8:42	JMV	P5G0361
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.47	0.074	1	8270D	7/22/15 8:42	JMV	P5G0361
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.47	0.072	1	8270D	7/22/15 8:42	JMV	P5G0361
Pentachlorophenol	BRL	mg/kg dry	0.47	0.056	1	8270D	7/22/15 8:42	JMV	P5G0361
Phenanthrene	BRL	mg/kg dry	0.47	0.061	1	8270D	7/22/15 8:42	JMV	P5G0361
Phenol	BRL	mg/kg dry	0.47	0.070	1	8270D	7/22/15 8:42	JMV	P5G0361
Pyrene	BRL	mg/kg dry	0.47	0.062	1	8270D	7/22/15 8:42	JMV	P5G0361

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*108 %*	*39-132*
2-Fluorobiphenyl	*104 %*	*44-115*
2-Fluorophenol	*110 %*	*35-115*
Nitrobenzene-d5	*95 %*	*37-122*
Phenol-d5	*110 %*	*34-121*
Terphenyl-d14	*109 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0061	0.00050	1	8260B	7/27/15 18:49	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0061	0.00030	1	8260B	7/27/15 18:49	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0061	0.00041	1	8260B	7/27/15 18:49	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0061	0.00054	1	8260B	7/27/15 18:49	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0061	0.00017	1	8260B	7/27/15 18:49	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0061	0.00027	1	8260B	7/27/15 18:49	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0061	0.00034	1	8260B	7/27/15 18:49	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0061	0.00035	1	8260B	7/27/15 18:49	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0061	0.00078	1	8260B	7/27/15 18:49	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0061	0.00046	1	8260B	7/27/15 18:49	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0061	0.00047	1	8260B	7/27/15 18:49	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-7 (3-4)
Prism Sample ID: 5070367-07
Prism Work Order: 5070367
Time Collected: 07/17/15 08:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dibromoethane	BRL	mg/kg dry	0.0061	0.00025	1	8260B	7/27/15 18:49	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0061	0.00029	1	8260B	7/27/15 18:49	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0061	0.00037	1	8260B	7/27/15 18:49	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0061	0.00038	1	8260B	7/27/15 18:49	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0061	0.00046	1	8260B	7/27/15 18:49	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0061	0.00041	1	8260B	7/27/15 18:49	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0061	0.00031	1	8260B	7/27/15 18:49	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0061	0.00024	1	8260B	7/27/15 18:49	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0061	0.00029	1	8260B	7/27/15 18:49	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0061	0.00032	1	8260B	7/27/15 18:49	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0061	0.00037	1	8260B	7/27/15 18:49	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0061	0.00030	1	8260B	7/27/15 18:49	MSC	P5G0498
Acetone	BRL	mg/kg dry	0.061	0.0015	1	8260B	7/27/15 18:49	MSC	P5G0498
Benzene	BRL	mg/kg dry	0.0037	0.00036	1	8260B	7/27/15 18:49	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0061	0.00051	1	8260B	7/27/15 18:49	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0061	0.00034	1	8260B	7/27/15 18:49	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0061	0.00034	1	8260B	7/27/15 18:49	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0061	0.00070	1	8260B	7/27/15 18:49	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.012	0.00076	1	8260B	7/27/15 18:49	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0061	0.00031	1	8260B	7/27/15 18:49	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0061	0.00033	1	8260B	7/27/15 18:49	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.012	0.00051	1	8260B	7/27/15 18:49	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0061	0.00044	1	8260B	7/27/15 18:49	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0061	0.00041	1	8260B	7/27/15 18:49	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0061	0.00026	1	8260B	7/27/15 18:49	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0061	0.00021	1	8260B	7/27/15 18:49	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0061	0.00025	1	8260B	7/27/15 18:49	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0061	0.00028	1	8260B	7/27/15 18:49	MSC	P5G0498
Ethylbenzene	BRL	mg/kg dry	0.0061	0.00024	1	8260B	7/27/15 18:49	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0061	0.00025	1	8260B	7/27/15 18:49	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0061	0.00036	1	8260B	7/27/15 18:49	MSC	P5G0498
m,p-Xylenes	BRL	mg/kg dry	0.012	0.00057	1	8260B	7/27/15 18:49	MSC	P5G0498
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.061	0.00055	1	8260B	7/27/15 18:49	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.12	0.00055	1	8260B	7/27/15 18:49	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.061	0.00052	1	8260B	7/27/15 18:49	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0061	0.00034	1	8260B	7/27/15 18:49	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.012	0.00020	1	8260B	7/27/15 18:49	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.012	0.00019	1	8260B	7/27/15 18:49	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0061	0.00031	1	8260B	7/27/15 18:49	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0061	0.00036	1	8260B	7/27/15 18:49	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0061	0.00025	1	8260B	7/27/15 18:49	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0061	0.00030	1	8260B	7/27/15 18:49	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0061	0.00037	1	8260B	7/27/15 18:49	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-7 (3-4)
Prism Sample ID: 5070367-07
Prism Work Order: 5070367
Time Collected: 07/17/15 08:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
tert-Butylbenzene	BRL	mg/kg dry	0.0061	0.00021	1	8260B	7/27/15 18:49	MSC	P5G0498
Tetrachloroethylene	BRL	mg/kg dry	0.0061	0.00029	1	8260B	7/27/15 18:49	MSC	P5G0498
Toluene	BRL	mg/kg dry	0.0061	0.00035	1	8260B	7/27/15 18:49	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0061	0.00037	1	8260B	7/27/15 18:49	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0061	0.00032	1	8260B	7/27/15 18:49	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0061	0.00040	1	8260B	7/27/15 18:49	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0061	0.00040	1	8260B	7/27/15 18:49	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.031	0.00084	1	8260B	7/27/15 18:49	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0061	0.00030	1	8260B	7/27/15 18:49	MSC	P5G0498
Xylenes, total	BRL	mg/kg dry	0.018	0.0011	1	8260B	7/27/15 18:49	MSC	P5G0498

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*107 %*	*70-130*
Dibromofluoromethane	*103 %*	*84-123*
Toluene-d8	*99 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-8 (1-3)
Prism Sample ID: 5070367-08
Prism Work Order: 5070367
Time Collected: 07/15/15 10:25
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**82.2**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.40	0.063	1	8270D	7/22/15 9:03	JMV	P5G0361
1,2-Dichlorobenzene	BRL	mg/kg dry	0.40	0.061	1	8270D	7/22/15 9:03	JMV	P5G0361
1,3-Dichlorobenzene	BRL	mg/kg dry	0.40	0.057	1	8270D	7/22/15 9:03	JMV	P5G0361
1,4-Dichlorobenzene	BRL	mg/kg dry	0.40	0.059	1	8270D	7/22/15 9:03	JMV	P5G0361
1-Methylnaphthalene	BRL	mg/kg dry	0.40	0.077	1	8270D	7/22/15 9:03	JMV	P5G0361
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.40	0.075	1	8270D	7/22/15 9:03	JMV	P5G0361
2,4-Dichlorophenol	BRL	mg/kg dry	0.40	0.078	1	8270D	7/22/15 9:03	JMV	P5G0361
2,4-Dimethylphenol	BRL	mg/kg dry	0.40	0.062	1	8270D	7/22/15 9:03	JMV	P5G0361
2,4-Dinitrophenol	BRL	mg/kg dry	0.40	0.056	1	8270D	7/22/15 9:03	JMV	P5G0361
2,4-Dinitrotoluene	BRL	mg/kg dry	0.40	0.049	1	8270D	7/22/15 9:03	JMV	P5G0361
2,6-Dinitrotoluene	BRL	mg/kg dry	0.40	0.053	1	8270D	7/22/15 9:03	JMV	P5G0361
2-Chloronaphthalene	BRL	mg/kg dry	0.40	0.058	1	8270D	7/22/15 9:03	JMV	P5G0361
2-Chlorophenol	BRL	mg/kg dry	0.40	0.057	1	8270D	7/22/15 9:03	JMV	P5G0361
2-Methylnaphthalene	BRL	mg/kg dry	0.40	0.064	1	8270D	7/22/15 9:03	JMV	P5G0361
2-Methylphenol	BRL	mg/kg dry	0.40	0.051	1	8270D	7/22/15 9:03	JMV	P5G0361
2-Nitrophenol	BRL	mg/kg dry	0.40	0.073	1	8270D	7/22/15 9:03	JMV	P5G0361
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.40	0.079	1	8270D	7/22/15 9:03	JMV	P5G0361
3/4-Methylphenol	BRL	mg/kg dry	0.40	0.050	1	8270D	7/22/15 9:03	JMV	P5G0361
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.40	0.060	1	8270D	7/22/15 9:03	JMV	P5G0361
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.40	0.069	1	8270D	7/22/15 9:03	JMV	P5G0361
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.40	0.056	1	8270D	7/22/15 9:03	JMV	P5G0361
4-Chloroaniline	BRL	mg/kg dry	0.40	0.048	1	8270D	7/22/15 9:03	JMV	P5G0361
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.40	0.052	1	8270D	7/22/15 9:03	JMV	P5G0361
4-Nitrophenol	BRL	mg/kg dry	0.40	0.062	1	8270D	7/22/15 9:03	JMV	P5G0361
Acenaphthene	BRL A	mg/kg dry	0.40	0.055	1	8270D	7/22/15 9:03	JMV	P5G0361
Acenaphthylene	BRL	mg/kg dry	0.40	0.058	1	8270D	7/22/15 9:03	JMV	P5G0361
Anthracene	BRL	mg/kg dry	0.40	0.065	1	8270D	7/22/15 9:03	JMV	P5G0361
Azobenzene	BRL	mg/kg dry	0.40	0.053	1	8270D	7/22/15 9:03	JMV	P5G0361
Benzo(a)anthracene	BRL	mg/kg dry	0.40	0.053	1	8270D	7/22/15 9:03	JMV	P5G0361
Benzo(a)pyrene	BRL	mg/kg dry	0.40	0.043	1	8270D	7/22/15 9:03	JMV	P5G0361
Benzo(b)fluoranthene	BRL	mg/kg dry	0.40	0.047	1	8270D	7/22/15 9:03	JMV	P5G0361
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.40	0.044	1	8270D	7/22/15 9:03	JMV	P5G0361
Benzo(k)fluoranthene	BRL	mg/kg dry	0.40	0.053	1	8270D	7/22/15 9:03	JMV	P5G0361
Benzoic Acid	BRL	mg/kg dry	0.40	0.034	1	8270D	7/22/15 9:03	JMV	P5G0361
Benzyl alcohol	BRL	mg/kg dry	0.40	0.053	1	8270D	7/22/15 9:03	JMV	P5G0361
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.40	0.070	1	8270D	7/22/15 9:03	JMV	P5G0361
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.40	0.057	1	8270D	7/22/15 9:03	JMV	P5G0361
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.40	0.069	1	8270D	7/22/15 9:03	JMV	P5G0361
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.40	0.060	1	8270D	7/22/15 9:03	JMV	P5G0361

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-8 (1-3)
Prism Sample ID: 5070367-08
Prism Work Order: 5070367
Time Collected: 07/15/15 10:25
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.40	0.057	1	8270D	7/22/15 9:03	JMV	P5G0361
Chrysene	BRL	mg/kg dry	0.40	0.051	1	8270D	7/22/15 9:03	JMV	P5G0361
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.40	0.049	1	8270D	7/22/15 9:03	JMV	P5G0361
Dibenzofuran	BRL	mg/kg dry	0.40	0.061	1	8270D	7/22/15 9:03	JMV	P5G0361
Diethyl phthalate	BRL	mg/kg dry	0.40	0.055	1	8270D	7/22/15 9:03	JMV	P5G0361
Dimethyl phthalate	BRL	mg/kg dry	0.40	0.053	1	8270D	7/22/15 9:03	JMV	P5G0361
Di-n-butyl phthalate	BRL	mg/kg dry	0.40	0.057	1	8270D	7/22/15 9:03	JMV	P5G0361
Di-n-octyl phthalate	BRL	mg/kg dry	0.40	0.049	1	8270D	7/22/15 9:03	JMV	P5G0361
Fluoranthene	BRL	mg/kg dry	0.40	0.051	1	8270D	7/22/15 9:03	JMV	P5G0361
Fluorene	BRL	mg/kg dry	0.40	0.058	1	8270D	7/22/15 9:03	JMV	P5G0361
Hexachlorobenzene	BRL	mg/kg dry	0.40	0.064	1	8270D	7/22/15 9:03	JMV	P5G0361
Hexachlorobutadiene	BRL	mg/kg dry	0.40	0.072	1	8270D	7/22/15 9:03	JMV	P5G0361
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.40	0.072	1	8270D	7/22/15 9:03	JMV	P5G0361
Hexachloroethane	BRL	mg/kg dry	0.40	0.067	1	8270D	7/22/15 9:03	JMV	P5G0361
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.40	0.046	1	8270D	7/22/15 9:03	JMV	P5G0361
Isophorone	BRL	mg/kg dry	0.40	0.054	1	8270D	7/22/15 9:03	JMV	P5G0361
Naphthalene	BRL	mg/kg dry	0.40	0.065	1	8270D	7/22/15 9:03	JMV	P5G0361
Nitrobenzene	BRL	mg/kg dry	0.40	0.057	1	8270D	7/22/15 9:03	JMV	P5G0361
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.40	0.063	1	8270D	7/22/15 9:03	JMV	P5G0361
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.40	0.061	1	8270D	7/22/15 9:03	JMV	P5G0361
Pentachlorophenol	BRL	mg/kg dry	0.40	0.047	1	8270D	7/22/15 9:03	JMV	P5G0361
Phenanthrene	BRL	mg/kg dry	0.40	0.052	1	8270D	7/22/15 9:03	JMV	P5G0361
Phenol	BRL	mg/kg dry	0.40	0.059	1	8270D	7/22/15 9:03	JMV	P5G0361
Pyrene	BRL	mg/kg dry	0.40	0.053	1	8270D	7/22/15 9:03	JMV	P5G0361

Surrogate	Recovery	Control Limits	
2,4,6-Tribromophenol	*117 %*	*39-132*	
2-Fluorobiphenyl	*110 %*	*44-115*	
2-Fluorophenol	*117 %*	*35-115*	*SR*
Nitrobenzene-d5	*100 %*	*37-122*	
Phenol-d5	*117 %*	*34-121*	
Terphenyl-d14	*116 %*	*54-127*	

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0038	0.00032	1	8260B	7/27/15 19:20	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0038	0.00019	1	8260B	7/27/15 19:20	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0038	0.00026	1	8260B	7/27/15 19:20	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0038	0.00034	1	8260B	7/27/15 19:20	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0038	0.00011	1	8260B	7/27/15 19:20	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0038	0.00017	1	8260B	7/27/15 19:20	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0038	0.00021	1	8260B	7/27/15 19:20	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0038	0.00022	1	8260B	7/27/15 19:20	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0038	0.00049	1	8260B	7/27/15 19:20	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0038	0.00029	1	8260B	7/27/15 19:20	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0038	0.00029	1	8260B	7/27/15 19:20	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-8 (1-3)
Prism Sample ID: 5070367-08
Prism Work Order: 5070367
Time Collected: 07/15/15 10:25
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dibromoethane	BRL	mg/kg dry	0.0038	0.00015	1	8260B	7/27/15 19:20	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0038	0.00018	1	8260B	7/27/15 19:20	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0038	0.00023	1	8260B	7/27/15 19:20	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0038	0.00024	1	8260B	7/27/15 19:20	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0038	0.00029	1	8260B	7/27/15 19:20	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0038	0.00025	1	8260B	7/27/15 19:20	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0038	0.00019	1	8260B	7/27/15 19:20	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0038	0.00015	1	8260B	7/27/15 19:20	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0038	0.00018	1	8260B	7/27/15 19:20	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0038	0.00020	1	8260B	7/27/15 19:20	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0038	0.00023	1	8260B	7/27/15 19:20	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0038	0.00018	1	8260B	7/27/15 19:20	MSC	P5G0498
Acetone	BRL	mg/kg dry	0.038	0.00094	1	8260B	7/27/15 19:20	MSC	P5G0498
Benzene	BRL	mg/kg dry	0.0023	0.00022	1	8260B	7/27/15 19:20	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0038	0.00032	1	8260B	7/27/15 19:20	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0038	0.00021	1	8260B	7/27/15 19:20	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0038	0.00021	1	8260B	7/27/15 19:20	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0038	0.00044	1	8260B	7/27/15 19:20	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.0077	0.00047	1	8260B	7/27/15 19:20	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0038	0.00019	1	8260B	7/27/15 19:20	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0038	0.00020	1	8260B	7/27/15 19:20	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.0077	0.00032	1	8260B	7/27/15 19:20	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0038	0.00028	1	8260B	7/27/15 19:20	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0038	0.00026	1	8260B	7/27/15 19:20	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0038	0.00016	1	8260B	7/27/15 19:20	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0038	0.00013	1	8260B	7/27/15 19:20	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0038	0.00016	1	8260B	7/27/15 19:20	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0038	0.00017	1	8260B	7/27/15 19:20	MSC	P5G0498
Ethylbenzene	BRL	mg/kg dry	0.0038	0.00015	1	8260B	7/27/15 19:20	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0038	0.00016	1	8260B	7/27/15 19:20	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0038	0.00023	1	8260B	7/27/15 19:20	MSC	P5G0498
m,p-Xylenes	BRL	mg/kg dry	0.0077	0.00035	1	8260B	7/27/15 19:20	MSC	P5G0498
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.038	0.00035	1	8260B	7/27/15 19:20	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.077	0.00035	1	8260B	7/27/15 19:20	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.038	0.00033	1	8260B	7/27/15 19:20	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0038	0.00022	1	8260B	7/27/15 19:20	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0077	0.00012	1	8260B	7/27/15 19:20	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.0077	0.00012	1	8260B	7/27/15 19:20	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0038	0.00020	1	8260B	7/27/15 19:20	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0038	0.00023	1	8260B	7/27/15 19:20	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0038	0.00016	1	8260B	7/27/15 19:20	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0038	0.00019	1	8260B	7/27/15 19:20	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0038	0.00023	1	8260B	7/27/15 19:20	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-8 (1-3)
Prism Sample ID: 5070367-08
Prism Work Order: 5070367
Time Collected: 07/15/15 10:25
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
tert-Butylbenzene	BRL	mg/kg dry	0.0038	0.00013	1	8260B	7/27/15 19:20	MSC	P5G0498
Tetrachloroethylene	BRL	mg/kg dry	0.0038	0.00018	1	8260B	7/27/15 19:20	MSC	P5G0498
Toluene	BRL	mg/kg dry	0.0038	0.00022	1	8260B	7/27/15 19:20	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0038	0.00023	1	8260B	7/27/15 19:20	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0038	0.00020	1	8260B	7/27/15 19:20	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0038	0.00025	1	8260B	7/27/15 19:20	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0038	0.00025	1	8260B	7/27/15 19:20	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.019	0.00053	1	8260B	7/27/15 19:20	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0038	0.00019	1	8260B	7/27/15 19:20	MSC	P5G0498
Xylenes, total	BRL	mg/kg dry	0.012	0.00072	1	8260B	7/27/15 19:20	MSC	P5G0498

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*70-130*
Dibromofluoromethane	*96 %*	*84-123*
Toluene-d8	*96 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-9 (1-3)
Prism Sample ID: 5070367-09
Prism Work Order: 5070367
Time Collected: 07/15/15 09:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**86.7**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00039	1	8260B	7/27/15 19:52	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 19:52	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00032	1	8260B	7/27/15 19:52	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0047	0.00042	1	8260B	7/27/15 19:52	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0047	0.00013	1	8260B	7/27/15 19:52	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00021	1	8260B	7/27/15 19:52	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00026	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00027	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0047	0.00061	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00035	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00036	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2-Dibromoethane	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00029	1	8260B	7/27/15 19:52	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00036	1	8260B	7/27/15 19:52	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00031	1	8260B	7/27/15 19:52	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0047	0.00024	1	8260B	7/27/15 19:52	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 19:52	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 19:52	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	7/27/15 19:52	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 19:52	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 19:52	MSC	P5G0498
Acetone	BRL	mg/kg dry	0.047	0.0012	1	8260B	7/27/15 19:52	MSC	P5G0498
Benzene	BRL	mg/kg dry	0.0028	0.00028	1	8260B	7/27/15 19:52	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0047	0.00040	1	8260B	7/27/15 19:52	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	7/27/15 19:52	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	7/27/15 19:52	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0047	0.00054	1	8260B	7/27/15 19:52	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.0095	0.00059	1	8260B	7/27/15 19:52	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0047	0.00024	1	8260B	7/27/15 19:52	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	7/27/15 19:52	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.0095	0.00040	1	8260B	7/27/15 19:52	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0047	0.00034	1	8260B	7/27/15 19:52	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0047	0.00032	1	8260B	7/27/15 19:52	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00020	1	8260B	7/27/15 19:52	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	7/27/15 19:52	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0047	0.00020	1	8260B	7/27/15 19:52	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0047	0.00022	1	8260B	7/27/15 19:52	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-9 (1-3)
Prism Sample ID: 5070367-09
Prism Work Order: 5070367
Time Collected: 07/15/15 09:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0047	0.00018	1	8260B	7/27/15 19:52	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 19:52	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 19:52	MSC	P5G0498
m,p-Xylenes	BRL	mg/kg dry	0.0095	0.00044	1	8260B	7/27/15 19:52	MSC	P5G0498
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.047	0.00043	1	8260B	7/27/15 19:52	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.095	0.00043	1	8260B	7/27/15 19:52	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.047	0.00040	1	8260B	7/27/15 19:52	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0047	0.00027	1	8260B	7/27/15 19:52	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0095	0.00015	1	8260B	7/27/15 19:52	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.0095	0.00015	1	8260B	7/27/15 19:52	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	7/27/15 19:52	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 19:52	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 19:52	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 19:52	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0047	0.00029	1	8260B	7/27/15 19:52	MSC	P5G0498
tert-Butylbenzene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	7/27/15 19:52	MSC	P5G0498
Tetrachloroethylene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 19:52	MSC	P5G0498
Toluene	BRL	mg/kg dry	0.0047	0.00027	1	8260B	7/27/15 19:52	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 19:52	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	7/27/15 19:52	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0047	0.00031	1	8260B	7/27/15 19:52	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0047	0.00031	1	8260B	7/27/15 19:52	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.024	0.00065	1	8260B	7/27/15 19:52	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 19:52	MSC	P5G0498
Xylenes, total	BRL	mg/kg dry	0.014	0.00089	1	8260B	7/27/15 19:52	MSC	P5G0498

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*109 %*	*70-130*
Dibromofluoromethane	*101 %*	*84-123*
Toluene-d8	*89 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-10 6-8
Prism Sample ID: 5070367-10
Prism Work Order: 5070367
Time Collected: 07/17/15 10:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**68.8**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0055	0.00045	1	8260B	7/27/15 20:23	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0055	0.00027	1	8260B	7/27/15 20:23	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0055	0.00037	1	8260B	7/27/15 20:23	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0055	0.00049	1	8260B	7/27/15 20:23	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0055	0.00015	1	8260B	7/27/15 20:23	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0055	0.00024	1	8260B	7/27/15 20:23	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0055	0.00030	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0055	0.00031	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0055	0.00071	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0055	0.00041	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0055	0.00042	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2-Dibromoethane	BRL	mg/kg dry	0.0055	0.00022	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0055	0.00026	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0055	0.00033	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0055	0.00034	1	8260B	7/27/15 20:23	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0055	0.00042	1	8260B	7/27/15 20:23	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0055	0.00037	1	8260B	7/27/15 20:23	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0055	0.00028	1	8260B	7/27/15 20:23	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0055	0.00022	1	8260B	7/27/15 20:23	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0055	0.00026	1	8260B	7/27/15 20:23	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0055	0.00029	1	8260B	7/27/15 20:23	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	7/27/15 20:23	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0055	0.00027	1	8260B	7/27/15 20:23	MSC	P5G0498
Acetone	**0.13**	**mg/kg dry**	**0.055**	**0.0013**	**1**	**8260B**	**7/27/15 20:23**	**MSC**	**P5G0498**
Benzene	BRL	mg/kg dry	0.0033	0.00032	1	8260B	7/27/15 20:23	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0055	0.00046	1	8260B	7/27/15 20:23	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0055	0.00030	1	8260B	7/27/15 20:23	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0055	0.00031	1	8260B	7/27/15 20:23	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0055	0.00063	1	8260B	7/27/15 20:23	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.011	0.00068	1	8260B	7/27/15 20:23	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0055	0.00028	1	8260B	7/27/15 20:23	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0055	0.00029	1	8260B	7/27/15 20:23	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.011	0.00046	1	8260B	7/27/15 20:23	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0055	0.00040	1	8260B	7/27/15 20:23	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0055	0.00037	1	8260B	7/27/15 20:23	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0055	0.00024	1	8260B	7/27/15 20:23	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0055	0.00019	1	8260B	7/27/15 20:23	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0055	0.00023	1	8260B	7/27/15 20:23	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0055	0.00025	1	8260B	7/27/15 20:23	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-10 6-8
Prism Sample ID: 5070367-10
Prism Work Order: 5070367
Time Collected: 07/17/15 10:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0055	0.00021	1	8260B	7/27/15 20:23	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0055	0.00023	1	8260B	7/27/15 20:23	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0055	0.00033	1	8260B	7/27/15 20:23	MSC	P5G0498
m,p-Xylenes	BRL	mg/kg dry	0.011	0.00051	1	8260B	7/27/15 20:23	MSC	P5G0498
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.055	0.00050	1	8260B	7/27/15 20:23	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.11	0.00050	1	8260B	7/27/15 20:23	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.055	0.00047	1	8260B	7/27/15 20:23	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0055	0.00031	1	8260B	7/27/15 20:23	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.011	0.00018	1	8260B	7/27/15 20:23	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.011	0.00017	1	8260B	7/27/15 20:23	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0055	0.00028	1	8260B	7/27/15 20:23	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	7/27/15 20:23	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0055	0.00023	1	8260B	7/27/15 20:23	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0055	0.00027	1	8260B	7/27/15 20:23	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	7/27/15 20:23	MSC	P5G0498
tert-Butylbenzene	BRL	mg/kg dry	0.0055	0.00019	1	8260B	7/27/15 20:23	MSC	P5G0498
Tetrachloroethylene	BRL	mg/kg dry	0.0055	0.00026	1	8260B	7/27/15 20:23	MSC	P5G0498
Toluene	BRL	mg/kg dry	0.0055	0.00032	1	8260B	7/27/15 20:23	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	7/27/15 20:23	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0055	0.00029	1	8260B	7/27/15 20:23	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0055	0.00036	1	8260B	7/27/15 20:23	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0055	0.00036	1	8260B	7/27/15 20:23	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.028	0.00076	1	8260B	7/27/15 20:23	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0055	0.00027	1	8260B	7/27/15 20:23	MSC	P5G0498
Xylenes, total	BRL	mg/kg dry	0.017	0.0010	1	8260B	7/27/15 20:23	MSC	P5G0498

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*108 %*	*70-130*
Dibromofluoromethane	*103 %*	*84-123*
Toluene-d8	*91 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-11 (6-8)
Prism Sample ID: 5070367-11
Prism Work Order: 5070367
Time Collected: 07/17/15 09:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**88.2**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0045	0.00037	1	8260B	7/27/15 20:55	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0045	0.00022	1	8260B	7/27/15 20:55	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0045	0.00031	1	8260B	7/27/15 20:55	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0045	0.00040	1	8260B	7/27/15 20:55	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0045	0.00013	1	8260B	7/27/15 20:55	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0045	0.00020	1	8260B	7/27/15 20:55	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0045	0.00025	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0045	0.00026	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0045	0.00058	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0045	0.00034	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0045	0.00035	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2-Dibromoethane	BRL	mg/kg dry	0.0045	0.00018	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0045	0.00021	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0045	0.00027	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0045	0.00028	1	8260B	7/27/15 20:55	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0045	0.00034	1	8260B	7/27/15 20:55	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0045	0.00030	1	8260B	7/27/15 20:55	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0045	0.00023	1	8260B	7/27/15 20:55	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0045	0.00018	1	8260B	7/27/15 20:55	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0045	0.00022	1	8260B	7/27/15 20:55	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0045	0.00023	1	8260B	7/27/15 20:55	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0045	0.00027	1	8260B	7/27/15 20:55	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0045	0.00022	1	8260B	7/27/15 20:55	MSC	P5G0498
Acetone	**0.23**	**mg/kg dry**	**0.045**	**0.0011**	**1**	**8260B**	**7/27/15 20:55**	**MSC**	**P5G0498**
Benzene	BRL	mg/kg dry	0.0027	0.00026	1	8260B	7/27/15 20:55	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0045	0.00038	1	8260B	7/27/15 20:55	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0045	0.00025	1	8260B	7/27/15 20:55	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0045	0.00025	1	8260B	7/27/15 20:55	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0045	0.00052	1	8260B	7/27/15 20:55	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.0091	0.00056	1	8260B	7/27/15 20:55	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0045	0.00023	1	8260B	7/27/15 20:55	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0045	0.00024	1	8260B	7/27/15 20:55	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.0091	0.00038	1	8260B	7/27/15 20:55	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0045	0.00033	1	8260B	7/27/15 20:55	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0045	0.00031	1	8260B	7/27/15 20:55	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0045	0.00019	1	8260B	7/27/15 20:55	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0045	0.00015	1	8260B	7/27/15 20:55	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0045	0.00019	1	8260B	7/27/15 20:55	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0045	0.00021	1	8260B	7/27/15 20:55	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-11 (6-8)
Prism Sample ID: 5070367-11
Prism Work Order: 5070367
Time Collected: 07/17/15 09:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0045	0.00017	1	8260B	7/27/15 20:55	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0045	0.00019	1	8260B	7/27/15 20:55	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0045	0.00027	1	8260B	7/27/15 20:55	MSC	P5G0498
m,p-Xylenes	**0.0019 J**	**mg/kg dry**	**0.0091**	**0.00042**	**1**	**8260B**	**7/27/15 20:55**	**MSC**	**P5G0498**
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.045	0.00041	1	8260B	7/27/15 20:55	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.091	0.00041	1	8260B	7/27/15 20:55	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.045	0.00039	1	8260B	7/27/15 20:55	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0045	0.00026	1	8260B	7/27/15 20:55	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0091	0.00015	1	8260B	7/27/15 20:55	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.0091	0.00014	1	8260B	7/27/15 20:55	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0045	0.00023	1	8260B	7/27/15 20:55	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0045	0.00027	1	8260B	7/27/15 20:55	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0045	0.00019	1	8260B	7/27/15 20:55	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0045	0.00022	1	8260B	7/27/15 20:55	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0045	0.00027	1	8260B	7/27/15 20:55	MSC	P5G0498
tert-Butylbenzene	BRL	mg/kg dry	0.0045	0.00015	1	8260B	7/27/15 20:55	MSC	P5G0498
Tetrachloroethylene	**0.0078**	**mg/kg dry**	**0.0045**	**0.00022**	**1**	**8260B**	**7/27/15 20:55**	**MSC**	**P5G0498**
Toluene	BRL	mg/kg dry	0.0045	0.00026	1	8260B	7/27/15 20:55	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0045	0.00027	1	8260B	7/27/15 20:55	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0045	0.00024	1	8260B	7/27/15 20:55	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0045	0.00029	1	8260B	7/27/15 20:55	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0045	0.00029	1	8260B	7/27/15 20:55	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.023	0.00062	1	8260B	7/27/15 20:55	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0045	0.00022	1	8260B	7/27/15 20:55	MSC	P5G0498
Xylenes, total	**0.0019 J**	**mg/kg dry**	**0.014**	**0.00085**	**1**	**8260B**	**7/27/15 20:55**	**MSC**	**P5G0498**

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*70-130*
Dibromofluoromethane	*98 %*	*84-123*
Toluene-d8	*98 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-12 (14-15)
Prism Sample ID: 5070367-12
Prism Work Order: 5070367
Time Collected: 07/17/15 11:00
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**82.3**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00038	1	8260B	7/27/15 21:26	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 21:26	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00031	1	8260B	7/27/15 21:26	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0047	0.00041	1	8260B	7/27/15 21:26	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0047	0.00013	1	8260B	7/27/15 21:26	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00021	1	8260B	7/27/15 21:26	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00026	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0047	0.00059	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00035	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00036	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2-Dibromoethane	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00029	1	8260B	7/27/15 21:26	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00035	1	8260B	7/27/15 21:26	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00031	1	8260B	7/27/15 21:26	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 21:26	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00018	1	8260B	7/27/15 21:26	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00022	1	8260B	7/27/15 21:26	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	7/27/15 21:26	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 21:26	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	7/27/15 21:26	MSC	P5G0498
Acetone	BRL	mg/kg dry	0.047	0.0011	1	8260B	7/27/15 21:26	MSC	P5G0498
Benzene	BRL	mg/kg dry	0.0028	0.00027	1	8260B	7/27/15 21:26	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0047	0.00039	1	8260B	7/27/15 21:26	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	7/27/15 21:26	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	7/27/15 21:26	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0047	0.00053	1	8260B	7/27/15 21:26	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.0093	0.00057	1	8260B	7/27/15 21:26	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 21:26	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	7/27/15 21:26	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.0093	0.00039	1	8260B	7/27/15 21:26	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0047	0.00034	1	8260B	7/27/15 21:26	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0047	0.00031	1	8260B	7/27/15 21:26	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00020	1	8260B	7/27/15 21:26	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	7/27/15 21:26	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 21:26	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0047	0.00021	1	8260B	7/27/15 21:26	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-12 (14-15)
Prism Sample ID: 5070367-12
Prism Work Order: 5070367
Time Collected: 07/17/15 11:00
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0047	0.00018	1	8260B	7/27/15 21:26	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 21:26	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 21:26	MSC	P5G0498
m,p-Xylenes	**0.0024 J**	**mg/kg dry**	**0.0093**	**0.00043**	**1**	**8260B**	**7/27/15 21:26**	**MSC**	**P5G0498**
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.047	0.00042	1	8260B	7/27/15 21:26	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.093	0.00042	1	8260B	7/27/15 21:26	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.047	0.00040	1	8260B	7/27/15 21:26	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0047	0.00026	1	8260B	7/27/15 21:26	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0093	0.00015	1	8260B	7/27/15 21:26	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.0093	0.00015	1	8260B	7/27/15 21:26	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	7/27/15 21:26	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 21:26	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 21:26	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 21:26	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 21:26	MSC	P5G0498
tert-Butylbenzene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	7/27/15 21:26	MSC	P5G0498
Tetrachloroethylene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	7/27/15 21:26	MSC	P5G0498
Toluene	BRL	mg/kg dry	0.0047	0.00027	1	8260B	7/27/15 21:26	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 21:26	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	7/27/15 21:26	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0047	0.00030	1	8260B	7/27/15 21:26	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0047	0.00030	1	8260B	7/27/15 21:26	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.023	0.00064	1	8260B	7/27/15 21:26	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 21:26	MSC	P5G0498
Xylenes, total	**0.0024 J**	**mg/kg dry**	**0.014**	**0.00087**	**1**	**8260B**	**7/27/15 21:26**	**MSC**	**P5G0498**

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*70-130*
Dibromofluoromethane	*103 %*	*84-123*
Toluene-d8	*95 %*	*76-129*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-13 (8-10)
Prism Sample ID: 5070367-13
Prism Work Order: 5070367
Time Collected: 07/17/15 08:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**68.5**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0057	0.00046	1	8260B	7/27/15 21:57	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0057	0.00027	1	8260B	7/27/15 21:57	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0057	0.00038	1	8260B	7/27/15 21:57	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0057	0.00050	1	8260B	7/27/15 21:57	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0057	0.00016	1	8260B	7/27/15 21:57	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0057	0.00025	1	8260B	7/27/15 21:57	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0057	0.00031	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0057	0.00032	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0057	0.00072	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0057	0.00042	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0057	0.00043	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2-Dibromoethane	BRL	mg/kg dry	0.0057	0.00023	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0057	0.00027	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0057	0.00034	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0057	0.00035	1	8260B	7/27/15 21:57	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0057	0.00043	1	8260B	7/27/15 21:57	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0057	0.00037	1	8260B	7/27/15 21:57	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0057	0.00028	1	8260B	7/27/15 21:57	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0057	0.00022	1	8260B	7/27/15 21:57	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0057	0.00027	1	8260B	7/27/15 21:57	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0057	0.00029	1	8260B	7/27/15 21:57	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0057	0.00034	1	8260B	7/27/15 21:57	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0057	0.00027	1	8260B	7/27/15 21:57	MSC	P5G0498
Acetone	BRL	mg/kg dry	0.057	0.0014	1	8260B	7/27/15 21:57	MSC	P5G0498
Benzene	BRL	mg/kg dry	0.0034	0.00033	1	8260B	7/27/15 21:57	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0057	0.00047	1	8260B	7/27/15 21:57	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0057	0.00031	1	8260B	7/27/15 21:57	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0057	0.00032	1	8260B	7/27/15 21:57	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0057	0.00064	1	8260B	7/27/15 21:57	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.011	0.00070	1	8260B	7/27/15 21:57	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0057	0.00028	1	8260B	7/27/15 21:57	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0057	0.00030	1	8260B	7/27/15 21:57	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.011	0.00047	1	8260B	7/27/15 21:57	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0057	0.00041	1	8260B	7/27/15 21:57	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0057	0.00038	1	8260B	7/27/15 21:57	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0057	0.00024	1	8260B	7/27/15 21:57	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0057	0.00019	1	8260B	7/27/15 21:57	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0057	0.00023	1	8260B	7/27/15 21:57	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0057	0.00026	1	8260B	7/27/15 21:57	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-13 (8-10)
Prism Sample ID: 5070367-13
Prism Work Order: 5070367
Time Collected: 07/17/15 08:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0057	0.00022	1	8260B	7/27/15 21:57	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0057	0.00023	1	8260B	7/27/15 21:57	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0057	0.00033	1	8260B	7/27/15 21:57	MSC	P5G0498
m,p-Xylenes	BRL	mg/kg dry	0.011	0.00052	1	8260B	7/27/15 21:57	MSC	P5G0498
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.057	0.00051	1	8260B	7/27/15 21:57	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.11	0.00051	1	8260B	7/27/15 21:57	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.057	0.00048	1	8260B	7/27/15 21:57	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0057	0.00032	1	8260B	7/27/15 21:57	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.011	0.00018	1	8260B	7/27/15 21:57	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.011	0.00018	1	8260B	7/27/15 21:57	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0057	0.00029	1	8260B	7/27/15 21:57	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0057	0.00034	1	8260B	7/27/15 21:57	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0057	0.00023	1	8260B	7/27/15 21:57	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0057	0.00027	1	8260B	7/27/15 21:57	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0057	0.00034	1	8260B	7/27/15 21:57	MSC	P5G0498
tert-Butylbenzene	BRL	mg/kg dry	0.0057	0.00019	1	8260B	7/27/15 21:57	MSC	P5G0498
Tetrachloroethylene	**0.0027 J**	**mg/kg dry**	**0.0057**	**0.00027**	**1**	**8260B**	**7/27/15 21:57**	**MSC**	**P5G0498**
Toluene	BRL	mg/kg dry	0.0057	0.00032	1	8260B	7/27/15 21:57	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0057	0.00034	1	8260B	7/27/15 21:57	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0057	0.00030	1	8260B	7/27/15 21:57	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0057	0.00037	1	8260B	7/27/15 21:57	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0057	0.00037	1	8260B	7/27/15 21:57	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.028	0.00077	1	8260B	7/27/15 21:57	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0057	0.00027	1	8260B	7/27/15 21:57	MSC	P5G0498
Xylenes, total	BRL	mg/kg dry	0.017	0.0011	1	8260B	7/27/15 21:57	MSC	P5G0498

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*106 %*	*70-130*
Dibromofluoromethane	*104 %*	*84-123*
Toluene-d8	*100 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-14A
Prism Sample ID: 5070367-14
Prism Work Order: 5070367
Time Collected: 07/17/15 07:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 16:01	CGP	P5G0455
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 16:01	CGP	P5G0455
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	7/24/15 16:01	CGP	P5G0455
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 16:01	CGP	P5G0455
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	7/24/15 16:01	CGP	P5G0455
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	7/24/15 16:01	CGP	P5G0455
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 16:01	CGP	P5G0455
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 16:01	CGP	P5G0455
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 16:01	CGP	P5G0455
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	7/24/15 16:01	CGP	P5G0455
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 16:01	CGP	P5G0455
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	7/24/15 16:01	CGP	P5G0455
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	7/24/15 16:01	CGP	P5G0455
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 16:01	CGP	P5G0455
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 16:01	CGP	P5G0455
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	7/24/15 16:01	CGP	P5G0455
Acetone	BRL	ug/L	5.0	0.31	1	8260B	7/24/15 16:01	CGP	P5G0455
Acrolein	BRL	ug/L	20	0.20	1	8260B	7/24/15 16:01	CGP	P5G0455
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	7/24/15 16:01	CGP	P5G0455
Benzene	BRL	ug/L	0.50	0.048	1	8260B	7/24/15 16:01	CGP	P5G0455
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	7/24/15 16:01	CGP	P5G0455
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	7/24/15 16:01	CGP	P5G0455
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 16:01	CGP	P5G0455
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	7/24/15 16:01	CGP	P5G0455
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	7/24/15 16:01	CGP	P5G0455
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	7/24/15 16:01	CGP	P5G0455
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 16:01	CGP	P5G0455
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 16:01	CGP	P5G0455
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	7/24/15 16:01	CGP	P5G0455
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 16:01	CGP	P5G0455
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 16:01	CGP	P5G0455
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	7/24/15 16:01	CGP	P5G0455
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 16:01	CGP	P5G0455

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-14A
Prism Sample ID: 5070367-14
Prism Work Order: 5070367
Time Collected: 07/17/15 07:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	7/24/15 16:01	CGP	P5G0455
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	7/24/15 16:01	CGP	P5G0455
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	7/24/15 16:01	CGP	P5G0455
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 16:01	CGP	P5G0455
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	7/24/15 16:01	CGP	P5G0455
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 16:01	CGP	P5G0455
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 16:01	CGP	P5G0455
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	7/24/15 16:01	CGP	P5G0455
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	7/24/15 16:01	CGP	P5G0455
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	7/24/15 16:01	CGP	P5G0455
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	7/24/15 16:01	CGP	P5G0455
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	7/24/15 16:01	CGP	P5G0455
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	7/24/15 16:01	CGP	P5G0455
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	7/24/15 16:01	CGP	P5G0455
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	7/24/15 16:01	CGP	P5G0455
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	7/24/15 16:01	CGP	P5G0455
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 16:01	CGP	P5G0455
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 16:01	CGP	P5G0455
Styrene	BRL	ug/L	0.50	0.047	1	8260B	7/24/15 16:01	CGP	P5G0455
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	7/24/15 16:01	CGP	P5G0455
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	7/24/15 16:01	CGP	P5G0455
Toluene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 16:01	CGP	P5G0455
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	7/24/15 16:01	CGP	P5G0455
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	7/24/15 16:01	CGP	P5G0455
Trichloroethylene	**2.4**	**ug/L**	**0.50**	**0.078**	**1**	**8260B**	**7/24/15 16:01**	**CGP**	**P5G0455**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 16:01	CGP	P5G0455
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	7/24/15 16:01	CGP	P5G0455
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	7/24/15 16:01	CGP	P5G0455

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*92 %*	*80-124*
Dibromofluoromethane	*105 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-14B
Prism Sample ID: 5070367-15
Prism Work Order: 5070367
Time Collected: 07/17/15 06:45
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 17:09	CGP	P5G0455
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 17:09	CGP	P5G0455
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	7/24/15 17:09	CGP	P5G0455
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 17:09	CGP	P5G0455
1,1-Dichloroethane	**0.87**	**ug/L**	**0.50**	**0.083**	**1**	**8260B**	**7/24/15 17:09**	**CGP**	**P5G0455**
1,1-Dichloroethylene	**2.3**	**ug/L**	**0.50**	**0.083**	**1**	**8260B**	**7/24/15 17:09**	**CGP**	**P5G0455**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 17:09	CGP	P5G0455
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 17:09	CGP	P5G0455
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 17:09	CGP	P5G0455
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	7/24/15 17:09	CGP	P5G0455
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 17:09	CGP	P5G0455
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	7/24/15 17:09	CGP	P5G0455
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	7/24/15 17:09	CGP	P5G0455
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 17:09	CGP	P5G0455
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 17:09	CGP	P5G0455
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	7/24/15 17:09	CGP	P5G0455
Acetone	BRL	ug/L	5.0	0.31	1	8260B	7/24/15 17:09	CGP	P5G0455
Acrolein	BRL	ug/L	20	0.20	1	8260B	7/24/15 17:09	CGP	P5G0455
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	7/24/15 17:09	CGP	P5G0455
Benzene	BRL	ug/L	0.50	0.048	1	8260B	7/24/15 17:09	CGP	P5G0455
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	7/24/15 17:09	CGP	P5G0455
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	7/24/15 17:09	CGP	P5G0455
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 17:09	CGP	P5G0455
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	7/24/15 17:09	CGP	P5G0455
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	7/24/15 17:09	CGP	P5G0455
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	7/24/15 17:09	CGP	P5G0455
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 17:09	CGP	P5G0455
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 17:09	CGP	P5G0455
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	7/24/15 17:09	CGP	P5G0455
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 17:09	CGP	P5G0455
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 17:09	CGP	P5G0455
cis-1,2-Dichloroethylene	**3.9**	**ug/L**	**0.50**	**0.056**	**1**	**8260B**	**7/24/15 17:09**	**CGP**	**P5G0455**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 17:09	CGP	P5G0455

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-14B
Prism Sample ID: 5070367-15
Prism Work Order: 5070367
Time Collected: 07/17/15 06:45
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	7/24/15 17:09	CGP	P5G0455
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	7/24/15 17:09	CGP	P5G0455
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	7/24/15 17:09	CGP	P5G0455
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 17:09	CGP	P5G0455
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	7/24/15 17:09	CGP	P5G0455
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 17:09	CGP	P5G0455
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 17:09	CGP	P5G0455
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	7/24/15 17:09	CGP	P5G0455
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	7/24/15 17:09	CGP	P5G0455
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	7/24/15 17:09	CGP	P5G0455
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	7/24/15 17:09	CGP	P5G0455
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	7/24/15 17:09	CGP	P5G0455
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	7/24/15 17:09	CGP	P5G0455
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	7/24/15 17:09	CGP	P5G0455
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	7/24/15 17:09	CGP	P5G0455
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	7/24/15 17:09	CGP	P5G0455
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 17:09	CGP	P5G0455
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 17:09	CGP	P5G0455
Styrene	BRL	ug/L	0.50	0.047	1	8260B	7/24/15 17:09	CGP	P5G0455
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	7/24/15 17:09	CGP	P5G0455
Tetrachloroethylene	**2.2**	**ug/L**	**0.50**	**0.098**	**1**	**8260B**	**7/24/15 17:09**	**CGP**	**P5G0455**
Toluene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 17:09	CGP	P5G0455
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	7/24/15 17:09	CGP	P5G0455
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	7/24/15 17:09	CGP	P5G0455
Trichloroethylene	**280**	**ug/L**	**50**	**7.8**	**100**	**8260B**	**7/24/15 17:43**	**CGP**	**P5G0455**
Trichlorofluoromethane	**4.4**	**ug/L**	**0.50**	**0.062**	**1**	**8260B**	**7/24/15 17:09**	**CGP**	**P5G0455**
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	7/24/15 17:09	CGP	P5G0455
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	7/24/15 17:09	CGP	P5G0455

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*89 %*	*80-124*
Dibromofluoromethane	*102 %*	*75-129*
Toluene-d8	*96 %*	*77-123*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-15A
Prism Sample ID: 5070367-16
Prism Work Order: 5070367
Time Collected: 07/17/15 12:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
1,2-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
1,3-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
1,4-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
1-Methylnaphthalene	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
2,4,5-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	7/24/15 12:48	JMV	P5G0413
2,4,6-Trichlorophenol	BRL	ug/L	10	2.6	1	8270D	7/24/15 12:48	JMV	P5G0413
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
2,4-Dimethylphenol	BRL	ug/L	10	2.3	1	8270D	7/24/15 12:48	JMV	P5G0413
2,4-Dinitrophenol	BRL	ug/L	10	3.7	1	8270D	7/24/15 12:48	JMV	P5G0413
2,4-Dinitrotoluene	BRL	ug/L	10	1.9	1	8270D	7/24/15 12:48	JMV	P5G0413
2,6-Dinitrotoluene	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
2-Chloronaphthalene	BRL	ug/L	10	3.4	1	8270D	7/24/15 12:48	JMV	P5G0413
2-Chlorophenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
2-Methylnaphthalene	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
2-Methylphenol	BRL	ug/L	10	2.1	1	8270D	7/24/15 12:48	JMV	P5G0413
2-Nitroaniline	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
3,3'-Dichlorobenzidine	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
3/4-Methylphenol	BRL	ug/L	10	1.9	1	8270D	7/24/15 12:48	JMV	P5G0413
3-Nitroaniline	BRL	ug/L	10	1.2	1	8270D	7/24/15 12:48	JMV	P5G0413
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	7/24/15 12:48	JMV	P5G0413
4-Chloro-3-methylphenol	BRL	ug/L	10	1.9	1	8270D	7/24/15 12:48	JMV	P5G0413
4-Chloroaniline	BRL	ug/L	10	1.8	1	8270D	7/24/15 12:48	JMV	P5G0413
4-Chlorophenyl phenyl ether	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
4-Nitroaniline	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
4-Nitrophenol	BRL	ug/L	10	0.66	1	8270D	7/24/15 12:48	JMV	P5G0413
Acenaphthene	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
Acenaphthylene	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
Aniline	BRL	ug/L	10	2.1	1	8270D	7/24/15 12:48	JMV	P5G0413
Anthracene	BRL	ug/L	10	3.0	1	8270D	7/24/15 12:48	JMV	P5G0413
Azobenzene	BRL	ug/L	10	1.8	1	8270D	7/24/15 12:48	JMV	P5G0413
Benzo(a)anthracene	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
Benzo(a)pyrene	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	7/24/15 12:48	JMV	P5G0413
Benzo(g,h,i)perylene	BRL	ug/L	10	1.8	1	8270D	7/24/15 12:48	JMV	P5G0413
Benzo(k)fluoranthene	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
Benzoic Acid	BRL	ug/L	100	2.7	1	8270D	7/24/15 12:48	JMV	P5G0413
Benzyl alcohol	BRL	ug/L	10	1.8	1	8270D	7/24/15 12:48	JMV	P5G0413
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-15A
Prism Sample ID: 5070367-16
Prism Work Order: 5070367
Time Collected: 07/17/15 12:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
Butyl benzyl phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
Chrysene	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
Dibenzo(a,h)anthracene	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
Dibenzofuran	BRL	ug/L	10	2.3	1	8270D	7/24/15 12:48	JMV	P5G0413
Diethyl phthalate	BRL	ug/L	10	1.9	1	8270D	7/24/15 12:48	JMV	P5G0413
Dimethyl phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
Di-n-butyl phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
Di-n-octyl phthalate	BRL	ug/L	10	1.7	1	8270D	7/24/15 12:48	JMV	P5G0413
Fluoranthene	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
Fluorene	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
Hexachlorobenzene	BRL	ug/L	10	1.9	1	8270D	7/24/15 12:48	JMV	P5G0413
Hexachlorobutadiene	BRL	ug/L	10	2.6	1	8270D	7/24/15 12:48	JMV	P5G0413
Hexachlorocyclopentadiene	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
Hexachloroethane	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	2.1	1	8270D	7/24/15 12:48	JMV	P5G0413
Isophorone	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
Naphthalene	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
Nitrobenzene	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
N-Nitrosodiphenylamine	BRL	ug/L	10	1.8	1	8270D	7/24/15 12:48	JMV	P5G0413
Pentachlorophenol	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
Phenanthrene	BRL	ug/L	10	1.8	1	8270D	7/24/15 12:48	JMV	P5G0413
Phenol	BRL	ug/L	10	1.2	1	8270D	7/24/15 12:48	JMV	P5G0413
Pyrene	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*97 %*	*49-109*
2-Fluorobiphenyl	*96 %*	*55-96*
2-Fluorophenol	*63 %*	*27-74*
Nitrobenzene-d5	*91 %*	*53-99*
Phenol-d5	*42 %*	*11-52*
Terphenyl-d14	*102 %*	*42-133*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 20:34	CGP	P5G0455
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 20:34	CGP	P5G0455
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	7/24/15 20:34	CGP	P5G0455
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 20:34	CGP	P5G0455
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	7/24/15 20:34	CGP	P5G0455
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	7/24/15 20:34	CGP	P5G0455
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	7/24/15 20:34	CGP	P5G0455

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-15A
Prism Sample ID: 5070367-16
Prism Work Order: 5070367
Time Collected: 07/17/15 12:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 20:34	CGP	P5G0455
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 20:34	CGP	P5G0455
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 20:34	CGP	P5G0455
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	7/24/15 20:34	CGP	P5G0455
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 20:34	CGP	P5G0455
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	7/24/15 20:34	CGP	P5G0455
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	7/24/15 20:34	CGP	P5G0455
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 20:34	CGP	P5G0455
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 20:34	CGP	P5G0455
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	7/24/15 20:34	CGP	P5G0455
Acetone	BRL	ug/L	5.0	0.31	1	8260B	7/24/15 20:34	CGP	P5G0455
Acrolein	BRL	ug/L	20	0.20	1	8260B	7/24/15 20:34	CGP	P5G0455
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	7/24/15 20:34	CGP	P5G0455
Benzene	BRL	ug/L	0.50	0.048	1	8260B	7/24/15 20:34	CGP	P5G0455
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	7/24/15 20:34	CGP	P5G0455
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	7/24/15 20:34	CGP	P5G0455
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 20:34	CGP	P5G0455
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	7/24/15 20:34	CGP	P5G0455
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	7/24/15 20:34	CGP	P5G0455
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	7/24/15 20:34	CGP	P5G0455
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 20:34	CGP	P5G0455
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 20:34	CGP	P5G0455
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	7/24/15 20:34	CGP	P5G0455
Chloroform	**1.4**	**ug/L**	**0.50**	**0.076**	**1**	**8260B**	**7/24/15 20:34**	**CGP**	**P5G0455**
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 20:34	CGP	P5G0455
cis-1,2-Dichloroethylene	**8.8**	**ug/L**	**0.50**	**0.056**	**1**	**8260B**	**7/24/15 20:34**	**CGP**	**P5G0455**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 20:34	CGP	P5G0455
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	7/24/15 20:34	CGP	P5G0455
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	7/24/15 20:34	CGP	P5G0455
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	7/24/15 20:34	CGP	P5G0455
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 20:34	CGP	P5G0455
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	7/24/15 20:34	CGP	P5G0455
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 20:34	CGP	P5G0455
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 20:34	CGP	P5G0455
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	7/24/15 20:34	CGP	P5G0455
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	7/24/15 20:34	CGP	P5G0455
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	7/24/15 20:34	CGP	P5G0455

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-15A
Prism Sample ID: 5070367-16
Prism Work Order: 5070367
Time Collected: 07/17/15 12:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	7/24/15 20:34	CGP	P5G0455
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	7/24/15 20:34	CGP	P5G0455
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	7/24/15 20:34	CGP	P5G0455
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	7/24/15 20:34	CGP	P5G0455
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	7/24/15 20:34	CGP	P5G0455
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	7/24/15 20:34	CGP	P5G0455
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 20:34	CGP	P5G0455
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 20:34	CGP	P5G0455
Styrene	BRL	ug/L	0.50	0.047	1	8260B	7/24/15 20:34	CGP	P5G0455
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	7/24/15 20:34	CGP	P5G0455
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	7/24/15 20:34	CGP	P5G0455
Toluene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 20:34	CGP	P5G0455
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	7/24/15 20:34	CGP	P5G0455
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	7/24/15 20:34	CGP	P5G0455
Trichloroethylene	**250**	**ug/L**	**50**	**7.8**	**100**	**8260B**	**7/24/15 21:08**	**CGP**	**P5G0455**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 20:34	CGP	P5G0455
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	7/24/15 20:34	CGP	P5G0455
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	7/24/15 20:34	CGP	P5G0455

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*91 %*	*80-124*
Dibromofluoromethane	*104 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-16A
Prism Sample ID: 5070367-17
Prism Work Order: 5070367
Time Collected: 07/17/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
1,2-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
1,3-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
1,4-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
1-Methylnaphthalene	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
2,4,5-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	7/24/15 13:09	JMV	P5G0413
2,4,6-Trichlorophenol	BRL	ug/L	10	2.6	1	8270D	7/24/15 13:09	JMV	P5G0413
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
2,4-Dimethylphenol	BRL	ug/L	10	2.3	1	8270D	7/24/15 13:09	JMV	P5G0413
2,4-Dinitrophenol	BRL	ug/L	10	3.7	1	8270D	7/24/15 13:09	JMV	P5G0413
2,4-Dinitrotoluene	BRL	ug/L	10	1.9	1	8270D	7/24/15 13:09	JMV	P5G0413
2,6-Dinitrotoluene	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
2-Chloronaphthalene	BRL	ug/L	10	3.4	1	8270D	7/24/15 13:09	JMV	P5G0413
2-Chlorophenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
2-Methylnaphthalene	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
2-Methylphenol	BRL	ug/L	10	2.1	1	8270D	7/24/15 13:09	JMV	P5G0413
2-Nitroaniline	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
3,3'-Dichlorobenzidine	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
3/4-Methylphenol	BRL	ug/L	10	1.9	1	8270D	7/24/15 13:09	JMV	P5G0413
3-Nitroaniline	BRL	ug/L	10	1.2	1	8270D	7/24/15 13:09	JMV	P5G0413
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	7/24/15 13:09	JMV	P5G0413
4-Chloro-3-methylphenol	BRL	ug/L	10	1.9	1	8270D	7/24/15 13:09	JMV	P5G0413
4-Chloroaniline	BRL	ug/L	10	1.8	1	8270D	7/24/15 13:09	JMV	P5G0413
4-Chlorophenyl phenyl ether	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
4-Nitroaniline	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
4-Nitrophenol	BRL	ug/L	10	0.66	1	8270D	7/24/15 13:09	JMV	P5G0413
Acenaphthene	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
Acenaphthylene	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
Aniline	BRL	ug/L	10	2.1	1	8270D	7/24/15 13:09	JMV	P5G0413
Anthracene	BRL	ug/L	10	3.0	1	8270D	7/24/15 13:09	JMV	P5G0413
Azobenzene	BRL	ug/L	10	1.8	1	8270D	7/24/15 13:09	JMV	P5G0413
Benzo(a)anthracene	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
Benzo(a)pyrene	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	7/24/15 13:09	JMV	P5G0413
Benzo(g,h,i)perylene	BRL	ug/L	10	1.8	1	8270D	7/24/15 13:09	JMV	P5G0413
Benzo(k)fluoranthene	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
Benzoic Acid	BRL	ug/L	100	2.7	1	8270D	7/24/15 13:09	JMV	P5G0413
Benzyl alcohol	BRL	ug/L	10	1.8	1	8270D	7/24/15 13:09	JMV	P5G0413
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-16A
Prism Sample ID: 5070367-17
Prism Work Order: 5070367
Time Collected: 07/17/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
Butyl benzyl phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
Chrysene	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
Dibenzo(a,h)anthracene	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
Dibenzofuran	BRL	ug/L	10	2.3	1	8270D	7/24/15 13:09	JMV	P5G0413
Diethyl phthalate	BRL	ug/L	10	1.9	1	8270D	7/24/15 13:09	JMV	P5G0413
Dimethyl phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
Di-n-butyl phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
Di-n-octyl phthalate	BRL	ug/L	10	1.7	1	8270D	7/24/15 13:09	JMV	P5G0413
Fluoranthene	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
Fluorene	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
Hexachlorobenzene	BRL	ug/L	10	1.9	1	8270D	7/24/15 13:09	JMV	P5G0413
Hexachlorobutadiene	BRL	ug/L	10	2.6	1	8270D	7/24/15 13:09	JMV	P5G0413
Hexachlorocyclopentadiene	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
Hexachloroethane	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	2.1	1	8270D	7/24/15 13:09	JMV	P5G0413
Isophorone	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
Naphthalene	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
Nitrobenzene	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
N-Nitrosodiphenylamine	BRL	ug/L	10	1.8	1	8270D	7/24/15 13:09	JMV	P5G0413
Pentachlorophenol	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
Phenanthrene	BRL	ug/L	10	1.8	1	8270D	7/24/15 13:09	JMV	P5G0413
Phenol	BRL	ug/L	10	1.2	1	8270D	7/24/15 13:09	JMV	P5G0413
Pyrene	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*101 %*	*49-109*
2-Fluorobiphenyl	*94 %*	*55-96*
2-Fluorophenol	*65 %*	*27-74*
Nitrobenzene-d5	*89 %*	*53-99*
Phenol-d5	*45 %*	*11-52*
Terphenyl-d14	*105 %*	*42-133*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 18:17	CGP	P5G0455
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 18:17	CGP	P5G0455
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	7/24/15 18:17	CGP	P5G0455
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 18:17	CGP	P5G0455
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	7/24/15 18:17	CGP	P5G0455
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	7/24/15 18:17	CGP	P5G0455
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	7/24/15 18:17	CGP	P5G0455

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-16A
Prism Sample ID: 5070367-17
Prism Work Order: 5070367
Time Collected: 07/17/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 18:17	CGP	P5G0455
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 18:17	CGP	P5G0455
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 18:17	CGP	P5G0455
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	7/24/15 18:17	CGP	P5G0455
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 18:17	CGP	P5G0455
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	7/24/15 18:17	CGP	P5G0455
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	7/24/15 18:17	CGP	P5G0455
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 18:17	CGP	P5G0455
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 18:17	CGP	P5G0455
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	7/24/15 18:17	CGP	P5G0455
Acetone	BRL	ug/L	5.0	0.31	1	8260B	7/24/15 18:17	CGP	P5G0455
Acrolein	BRL	ug/L	20	0.20	1	8260B	7/24/15 18:17	CGP	P5G0455
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	7/24/15 18:17	CGP	P5G0455
Benzene	BRL	ug/L	0.50	0.048	1	8260B	7/24/15 18:17	CGP	P5G0455
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	7/24/15 18:17	CGP	P5G0455
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	7/24/15 18:17	CGP	P5G0455
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 18:17	CGP	P5G0455
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	7/24/15 18:17	CGP	P5G0455
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	7/24/15 18:17	CGP	P5G0455
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	7/24/15 18:17	CGP	P5G0455
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 18:17	CGP	P5G0455
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 18:17	CGP	P5G0455
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	7/24/15 18:17	CGP	P5G0455
Chloroform	**1.4**	**ug/L**	**0.50**	**0.076**	**1**	**8260B**	**7/24/15 18:17**	**CGP**	**P5G0455**
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 18:17	CGP	P5G0455
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	7/24/15 18:17	CGP	P5G0455
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 18:17	CGP	P5G0455
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	7/24/15 18:17	CGP	P5G0455
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	7/24/15 18:17	CGP	P5G0455
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	7/24/15 18:17	CGP	P5G0455
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 18:17	CGP	P5G0455
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	7/24/15 18:17	CGP	P5G0455
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 18:17	CGP	P5G0455
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 18:17	CGP	P5G0455
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	7/24/15 18:17	CGP	P5G0455
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	7/24/15 18:17	CGP	P5G0455
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	7/24/15 18:17	CGP	P5G0455

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-16A
Prism Sample ID: 5070367-17
Prism Work Order: 5070367
Time Collected: 07/17/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	7/24/15 18:17	CGP	P5G0455
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	7/24/15 18:17	CGP	P5G0455
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	7/24/15 18:17	CGP	P5G0455
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	7/24/15 18:17	CGP	P5G0455
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	7/24/15 18:17	CGP	P5G0455
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	7/24/15 18:17	CGP	P5G0455
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 18:17	CGP	P5G0455
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 18:17	CGP	P5G0455
Styrene	BRL	ug/L	0.50	0.047	1	8260B	7/24/15 18:17	CGP	P5G0455
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	7/24/15 18:17	CGP	P5G0455
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	7/24/15 18:17	CGP	P5G0455
Toluene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 18:17	CGP	P5G0455
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	7/24/15 18:17	CGP	P5G0455
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	7/24/15 18:17	CGP	P5G0455
Trichloroethylene	**1.7**	**ug/L**	**0.50**	**0.078**	**1**	**8260B**	**7/24/15 18:17**	**CGP**	**P5G0455**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 18:17	CGP	P5G0455
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	7/24/15 18:17	CGP	P5G0455
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	7/24/15 18:17	CGP	P5G0455

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*92 %*	*80-124*
Dibromofluoromethane	*106 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0455 - 5030B										
Blank (P5G0455-BLK1)				Prepared & Analyzed: 07/24/15						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	0.50	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethylene	BRL	0.50	ug/L							
1,1-Dichloropropylene	BRL	0.50	ug/L							
1,2,3-Trichlorobenzene	BRL	2.0	ug/L							
1,2,3-Trichloropropane	BRL	1.0	ug/L							
1,2,4-Trichlorobenzene	BRL	1.0	ug/L							
1,2,4-Trimethylbenzene	BRL	0.50	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	0.50	ug/L							
1,2-Dichlorobenzene	BRL	0.50	ug/L							
1,2-Dichloroethane	BRL	0.50	ug/L							
1,2-Dichloropropane	BRL	0.50	ug/L							
1,3,5-Trimethylbenzene	BRL	0.50	ug/L							
1,3-Dichlorobenzene	BRL	0.50	ug/L							
1,3-Dichloropropane	BRL	0.50	ug/L							
1,4-Dichlorobenzene	BRL	0.50	ug/L							
2,2-Dichloropropane	BRL	2.0	ug/L							
2-Chloroethyl Vinyl Ether	BRL	5.0	ug/L							
2-Chlorotoluene	BRL	0.50	ug/L							
4-Chlorotoluene	BRL	0.50	ug/L							
4-Isopropyltoluene	BRL	0.50	ug/L							
Acetone	BRL	5.0	ug/L							
Acrolein	BRL	20	ug/L							
Acrylonitrile	BRL	20	ug/L							
Benzene	BRL	0.50	ug/L							
Bromobenzene	BRL	0.50	ug/L							
Bromochloromethane	BRL	0.50	ug/L							
Bromodichloromethane	BRL	0.50	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	1.0	ug/L							
Carbon disulfide	BRL	5.0	ug/L							
Carbon Tetrachloride	BRL	0.50	ug/L							
Chlorobenzene	BRL	0.50	ug/L							
Chloroethane	BRL	0.50	ug/L							
Chloroform	BRL	0.50	ug/L							
Chloromethane	BRL	0.50	ug/L							
cis-1,2-Dichloroethylene	BRL	0.50	ug/L							
cis-1,3-Dichloropropylene	BRL	0.50	ug/L							
Dibromochloromethane	BRL	0.50	ug/L							
Dibromomethane	BRL	0.50	ug/L							
Dichlorodifluoromethane	BRL	1.0	ug/L							
Ethylbenzene	BRL	0.50	ug/L							

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Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0455 - 5030B										
Blank (P5G0455-BLK1)				Prepared & Analyzed: 07/24/15						
Hexachlorobutadiene	BRL	2.0	ug/L							
Isopropyl Ether	BRL	0.50	ug/L							
Isopropylbenzene (Cumene)	BRL	0.50	ug/L							
m,p-Xylenes	BRL	1.0	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	5.0	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	1.0	ug/L							
Methyl-tert-Butyl Ether	BRL	0.50	ug/L							
Naphthalene	BRL	1.0	ug/L							
n-Butylbenzene	BRL	1.0	ug/L							
n-Propylbenzene	BRL	0.50	ug/L							
o-Xylene	BRL	0.50	ug/L							
sec-Butylbenzene	BRL	0.50	ug/L							
Styrene	BRL	0.50	ug/L							
tert-Butylbenzene	BRL	0.50	ug/L							
Tetrachloroethylene	BRL	0.50	ug/L							
Toluene	BRL	0.50	ug/L							
trans-1,2-Dichloroethylene	BRL	0.50	ug/L							
trans-1,3-Dichloropropylene	BRL	0.50	ug/L							
Trichloroethylene	BRL	0.50	ug/L							
Trichlorofluoromethane	BRL	0.50	ug/L							
Vinyl acetate	BRL	2.0	ug/L							
Vinyl chloride	BRL	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/L*	*25.00*		*92*	*80-124*			
Surrogate: Dibromofluoromethane	*25.8*		*ug/L*	*25.00*		*103*	*75-129*			
Surrogate: Toluene-d8	*24.3*		*ug/L*	*25.00*		*97*	*77-123*			

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Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0455 - 5030B										
LCS (P5G0455-BS1)				Prepared & Analyzed: 07/24/15						
1,1,1,2-Tetrachloroethane	20.3	0.50	ug/L	20.00		102	79-134			
1,1,1-Trichloroethane	20.3	0.50	ug/L	20.00		102	75-136			
1,1,2,2-Tetrachloroethane	16.9	0.50	ug/L	20.00		84	62-127			
1,1,2-Trichloroethane	19.7	0.50	ug/L	20.00		98	70-140			
1,1-Dichloroethane	19.4	0.50	ug/L	20.00		97	78-130			
1,1-Dichloroethylene	22.5	0.50	ug/L	20.00		113	70-154			
1,1-Dichloropropylene	25.1	0.50	ug/L	20.00		126	71-136			
1,2,3-Trichlorobenzene	21.8	2.0	ug/L	20.00		109	58-144			
1,2,3-Trichloropropane	19.5	1.0	ug/L	20.00		98	71-127			
1,2,4-Trichlorobenzene	22.0	1.0	ug/L	20.00		110	66-139			
1,2,4-Trimethylbenzene	20.1	0.50	ug/L	20.00		101	75-133			
1,2-Dibromo-3-chloropropane	16.2	2.0	ug/L	20.00		81	63-134			
1,2-Dibromoethane	20.5	0.50	ug/L	20.00		103	77-135			
1,2-Dichlorobenzene	21.7	0.50	ug/L	20.00		109	78-128			
1,2-Dichloroethane	18.8	0.50	ug/L	20.00		94	68-131			
1,2-Dichloropropane	21.0	0.50	ug/L	20.00		105	77-130			
1,3,5-Trimethylbenzene	20.8	0.50	ug/L	20.00		104	75-131			
1,3-Dichlorobenzene	22.4	0.50	ug/L	20.00		112	77-125			
1,3-Dichloropropane	20.1	0.50	ug/L	20.00		100	76-132			
1,4-Dichlorobenzene	22.1	0.50	ug/L	20.00		111	75-126			
2,2-Dichloropropane	18.1	2.0	ug/L	20.00		91	29-149			
2-Chloroethyl Vinyl Ether	6.18	5.0	ug/L	20.00		31	34-144			L
2-Chlorotoluene	21.4	0.50	ug/L	20.00		107	74-126			
4-Chlorotoluene	21.5	0.50	ug/L	20.00		107	78-129			
4-Isopropyltoluene	22.6	0.50	ug/L	20.00		113	69-132			
Acetone	36.2	5.0	ug/L	40.00		90	40-166			
Acrolein	32.8	20	ug/L	40.00		82	70-130			
Acrylonitrile	37.2	20	ug/L	40.00		93	81-127			
Benzene	23.6	0.50	ug/L	20.00		118	77-128			
Bromobenzene	19.1	0.50	ug/L	20.00		95	78-129			
Bromochloromethane	19.3	0.50	ug/L	20.00		97	78-135			
Bromodichloromethane	17.6	0.50	ug/L	20.00		88	76-138			
Bromoform	18.4	1.0	ug/L	20.00		92	71-135			
Bromomethane	19.1	1.0	ug/L	20.00		95	41-168			
Carbon disulfide	24.4	5.0	ug/L	20.00		122	59-135			
Carbon Tetrachloride	24.0	0.50	ug/L	20.00		120	72-142			
Chlorobenzene	22.4	0.50	ug/L	20.00		112	78-119			
Chloroethane	22.1	0.50	ug/L	20.00		110	57-142			
Chloroform	18.9	0.50	ug/L	20.00		95	77-130			
Chloromethane	19.0	0.50	ug/L	20.00		95	47-145			
cis-1,2-Dichloroethylene	19.7	0.50	ug/L	20.00		99	76-141			
cis-1,3-Dichloropropylene	19.2	0.50	ug/L	20.00		96	65-140			
Dibromochloromethane	18.4	0.50	ug/L	20.00		92	75-134			
Dibromomethane	20.7	0.50	ug/L	20.00		104	76-138			
Dichlorodifluoromethane	20.7	1.0	ug/L	20.00		103	28-163			
Ethylbenzene	22.6	0.50	ug/L	20.00		113	80-127			

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0455 - 5030B										
LCS (P5G0455-BS1)				Prepared & Analyzed: 07/24/15						
Hexachlorobutadiene	25.4	2.0	ug/L	20.00		127	61-134			
Isopropyl Ether	16.9	0.50	ug/L	20.00		85	60-154			
Isopropylbenzene (Cumene)	24.5	0.50	ug/L	20.00		123	70-130			
m,p-Xylenes	45.9	1.0	ug/L	40.00		115	77-133			
Methyl Butyl Ketone (2-Hexanone)	13.3	5.0	ug/L	20.00		66	64-137			
Methyl Ethyl Ketone (2-Butanone)	16.2	5.0	ug/L	20.00		81	71-134			
Methyl Isobutyl Ketone	12.7	5.0	ug/L	20.00		63	69-134			L
Methylene Chloride	19.9	1.0	ug/L	20.00		100	73-131			
Methyl-tert-Butyl Ether	16.8	0.50	ug/L	20.00		84	68-135			
Naphthalene	17.6	1.0	ug/L	20.00		88	64-136			
n-Butylbenzene	21.4	1.0	ug/L	20.00		107	68-134			
n-Propylbenzene	23.2	0.50	ug/L	20.00		116	72-132			
o-Xylene	22.0	0.50	ug/L	20.00		110	78-128			
sec-Butylbenzene	24.8	0.50	ug/L	20.00		124	71-131			
Styrene	22.1	0.50	ug/L	20.00		110	78-129			
tert-Butylbenzene	22.4	0.50	ug/L	20.00		112	70-132			
Tetrachloroethylene	24.1	0.50	ug/L	20.00		121	80-129			
Toluene	22.6	0.50	ug/L	20.00		113	76-131			
trans-1,2-Dichloroethylene	21.0	0.50	ug/L	20.00		105	76-135			
trans-1,3-Dichloropropylene	18.2	0.50	ug/L	20.00		91	67-140			
Trichloroethylene	24.0	0.50	ug/L	20.00		120	77-133			
Trichlorofluoromethane	27.0	0.50	ug/L	20.00		135	62-148			
Vinyl acetate	18.0	2.0	ug/L	20.00		90	34-167			
Vinyl chloride	21.9	0.50	ug/L	20.00		110	57-141			
Surrogate: 4-Bromofluorobenzene	*21.6*		*ug/L*	*25.00*		*86*	*80-124*			
Surrogate: Dibromofluoromethane	*25.0*		*ug/L*	*25.00*		*100*	*75-129*			
Surrogate: Toluene-d8	*24.3*		*ug/L*	*25.00*		*97*	*77-123*			

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Mid-Atlantic Associates, Inc. - Raleigh
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Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0455 - 5030B										
LCS Dup (P5G0455-BSD1)				Prepared & Analyzed: 07/24/15						
1,1,1,2-Tetrachloroethane	19.9	0.50	ug/L	20.00		100	79-134	2	20	
1,1,1-Trichloroethane	19.3	0.50	ug/L	20.00		96	75-136	5	20	
1,1,2,2-Tetrachloroethane	16.6	0.50	ug/L	20.00		83	62-127	1	20	
1,1,2-Trichloroethane	18.3	0.50	ug/L	20.00		91	70-140	7	20	
1,1-Dichloroethane	18.4	0.50	ug/L	20.00		92	78-130	5	20	
1,1-Dichloroethylene	22.2	0.50	ug/L	20.00		111	70-154	1	20	
1,1-Dichloropropylene	23.3	0.50	ug/L	20.00		117	71-136	7	20	
1,2,3-Trichlorobenzene	22.2	2.0	ug/L	20.00		111	58-144	2	20	
1,2,3-Trichloropropane	18.2	1.0	ug/L	20.00		91	71-127	7	20	
1,2,4-Trichlorobenzene	21.9	1.0	ug/L	20.00		109	66-139	0.4	20	
1,2,4-Trimethylbenzene	20.2	0.50	ug/L	20.00		101	75-133	0.2	20	
1,2-Dibromo-3-chloropropane	16.8	2.0	ug/L	20.00		84	63-134	4	20	
1,2-Dibromoethane	20.3	0.50	ug/L	20.00		102	77-135	1	20	
1,2-Dichlorobenzene	21.2	0.50	ug/L	20.00		106	78-128	3	20	
1,2-Dichloroethane	17.8	0.50	ug/L	20.00		89	68-131	5	20	
1,2-Dichloropropane	20.0	0.50	ug/L	20.00		100	77-130	5	20	
1,3,5-Trimethylbenzene	20.2	0.50	ug/L	20.00		101	75-131	3	20	
1,3-Dichlorobenzene	22.4	0.50	ug/L	20.00		112	77-125	0.2	20	
1,3-Dichloropropane	19.9	0.50	ug/L	20.00		100	76-132	0.7	20	
1,4-Dichlorobenzene	21.8	0.50	ug/L	20.00		109	75-126	1	20	
2,2-Dichloropropane	17.6	2.0	ug/L	20.00		88	29-149	3	20	
2-Chloroethyl Vinyl Ether	6.24	5.0	ug/L	20.00		31	34-144	1	20	L
2-Chlorotoluene	21.3	0.50	ug/L	20.00		107	74-126	0.7	20	
4-Chlorotoluene	20.9	0.50	ug/L	20.00		105	78-129	3	20	
4-Isopropyltoluene	22.3	0.50	ug/L	20.00		111	69-132	2	20	
Acetone	33.6	5.0	ug/L	40.00		84	40-166	7	20	
Acrolein	30.6	20	ug/L	40.00		76	70-130	7	20	
Acrylonitrile	32.1	20	ug/L	40.00		80	81-127	15	20	L2
Benzene	21.9	0.50	ug/L	20.00		109	77-128	8	20	
Bromobenzene	18.9	0.50	ug/L	20.00		95	78-129	0.9	20	
Bromochloromethane	18.7	0.50	ug/L	20.00		94	78-135	3	20	
Bromodichloromethane	17.4	0.50	ug/L	20.00		87	76-138	1	20	
Bromoform	18.4	1.0	ug/L	20.00		92	71-135	0.05	20	
Bromomethane	18.3	1.0	ug/L	20.00		92	41-168	4	20	
Carbon disulfide	22.9	5.0	ug/L	20.00		115	59-135	6	20	
Carbon Tetrachloride	23.1	0.50	ug/L	20.00		116	72-142	4	20	
Chlorobenzene	21.8	0.50	ug/L	20.00		109	78-119	3	20	
Chloroethane	20.7	0.50	ug/L	20.00		104	57-142	7	20	
Chloroform	17.6	0.50	ug/L	20.00		88	77-130	7	20	
Chloromethane	17.6	0.50	ug/L	20.00		88	47-145	8	20	
cis-1,2-Dichloroethylene	18.8	0.50	ug/L	20.00		94	76-141	5	20	
cis-1,3-Dichloropropylene	17.9	0.50	ug/L	20.00		90	65-140	7	20	
Dibromochloromethane	18.0	0.50	ug/L	20.00		90	75-134	3	20	
Dibromomethane	19.1	0.50	ug/L	20.00		96	76-138	8	20	
Dichlorodifluoromethane	19.7	1.0	ug/L	20.00		99	28-163	5	20	
Ethylbenzene	22.1	0.50	ug/L	20.00		110	80-127	2	20	

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0455 - 5030B										
LCS Dup (P5G0455-BSD1)				Prepared & Analyzed: 07/24/15						
Hexachlorobutadiene	24.3	2.0	ug/L	20.00		122	61-134	5	20	
Isopropyl Ether	16.2	0.50	ug/L	20.00		81	60-154	4	20	
Isopropylbenzene (Cumene)	23.9	0.50	ug/L	20.00		120	70-130	3	20	
m,p-Xylenes	45.1	1.0	ug/L	40.00		113	77-133	2	20	
Methyl Butyl Ketone (2-Hexanone)	12.3	5.0	ug/L	20.00		62	64-137	8	20	L2
Methyl Ethyl Ketone (2-Butanone)	13.1	5.0	ug/L	20.00		66	71-134	21	20	L2
Methyl Isobutyl Ketone	12.1	5.0	ug/L	20.00		61	69-134	5	20	L
Methylene Chloride	19.0	1.0	ug/L	20.00		95	73-131	5	20	
Methyl-tert-Butyl Ether	15.7	0.50	ug/L	20.00		78	68-135	7	20	
Naphthalene	17.7	1.0	ug/L	20.00		88	64-136	0.3	20	
n-Butylbenzene	21.2	1.0	ug/L	20.00		106	68-134	0.7	20	
n-Propylbenzene	22.9	0.50	ug/L	20.00		115	72-132	1	20	
o-Xylene	21.1	0.50	ug/L	20.00		106	78-128	4	20	
sec-Butylbenzene	24.2	0.50	ug/L	20.00		121	71-131	2	20	
Styrene	21.6	0.50	ug/L	20.00		108	78-129	2	20	
tert-Butylbenzene	22.3	0.50	ug/L	20.00		111	70-132	0.6	20	
Tetrachloroethylene	23.6	0.50	ug/L	20.00		118	80-129	2	20	
Toluene	21.7	0.50	ug/L	20.00		109	76-131	4	20	
trans-1,2-Dichloroethylene	20.1	0.50	ug/L	20.00		101	76-135	4	20	
trans-1,3-Dichloropropylene	17.1	0.50	ug/L	20.00		86	67-140	6	20	
Trichloroethylene	22.6	0.50	ug/L	20.00		113	77-133	6	20	
Trichlorofluoromethane	26.0	0.50	ug/L	20.00		130	62-148	4	20	
Vinyl acetate	16.8	2.0	ug/L	20.00		84	34-167	7	20	
Vinyl chloride	20.8	0.50	ug/L	20.00		104	57-141	5	20	
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/L*	*25.00*		*86*	*80-124*			
Surrogate: Dibromofluoromethane	*24.9*		*ug/L*	*25.00*		*100*	*75-129*			
Surrogate: Toluene-d8	*24.8*		*ug/L*	*25.00*		*99*	*77-123*			

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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0461 - 5035										
Blank (P5G0461-BLK1)				Prepared & Analyzed: 07/24/15						
1,1,1,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,1-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,2-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethylene	BRL	0.0050	mg/kg wet							
1,1-Dichloropropylene	BRL	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,3-Trichloropropane	BRL	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,2-Dibromoethane	BRL	0.0050	mg/kg wet							
1,2-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,2-Dichloroethane	BRL	0.0050	mg/kg wet							
1,2-Dichloropropane	BRL	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,3-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,3-Dichloropropane	BRL	0.0050	mg/kg wet							
1,4-Dichlorobenzene	BRL	0.0050	mg/kg wet							
2,2-Dichloropropane	BRL	0.0050	mg/kg wet							
2-Chlorotoluene	BRL	0.0050	mg/kg wet							
4-Chlorotoluene	BRL	0.0050	mg/kg wet							
4-Isopropyltoluene	BRL	0.0050	mg/kg wet							
Acetone	BRL	0.050	mg/kg wet							
Benzene	BRL	0.0030	mg/kg wet							
Bromobenzene	BRL	0.0050	mg/kg wet							
Bromochloromethane	BRL	0.0050	mg/kg wet							
Bromodichloromethane	BRL	0.0050	mg/kg wet							
Bromoform	BRL	0.0050	mg/kg wet							
Bromomethane	BRL	0.010	mg/kg wet							
Carbon Tetrachloride	BRL	0.0050	mg/kg wet							
Chlorobenzene	BRL	0.0050	mg/kg wet							
Chloroethane	BRL	0.010	mg/kg wet							
Chloroform	BRL	0.0050	mg/kg wet							
Chloromethane	BRL	0.0050	mg/kg wet							
cis-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
cis-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Dibromochloromethane	BRL	0.0050	mg/kg wet							
Dichlorodifluoromethane	BRL	0.0050	mg/kg wet							
Ethylbenzene	BRL	0.0050	mg/kg wet							
Isopropyl Ether	BRL	0.0050	mg/kg wet							
Isopropylbenzene (Cumene)	BRL	0.0050	mg/kg wet							
m,p-Xylenes	BRL	0.010	mg/kg wet							
Methyl Butyl Ketone (2-Hexanone)	BRL	0.050	mg/kg wet							
Methyl Ethyl Ketone (2-Butanone)	BRL	0.10	mg/kg wet							
Methyl Isobutyl Ketone	BRL	0.050	mg/kg wet							

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0461 - 5035										
Blank (P5G0461-BLK1)				Prepared & Analyzed: 07/24/15						
Methylene Chloride	BRL	0.0050	mg/kg wet							
Methyl-tert-Butyl Ether	BRL	0.010	mg/kg wet							
Naphthalene	BRL	0.010	mg/kg wet							
n-Butylbenzene	BRL	0.0050	mg/kg wet							
n-Propylbenzene	BRL	0.0050	mg/kg wet							
o-Xylene	BRL	0.0050	mg/kg wet							
sec-Butylbenzene	BRL	0.0050	mg/kg wet							
Styrene	BRL	0.0050	mg/kg wet							
tert-Butylbenzene	BRL	0.0050	mg/kg wet							
Tetrachloroethylene	BRL	0.0050	mg/kg wet							
Toluene	BRL	0.0050	mg/kg wet							
trans-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
trans-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Trichloroethylene	BRL	0.0050	mg/kg wet							
Trichlorofluoromethane	BRL	0.0050	mg/kg wet							
Vinyl acetate	BRL	0.025	mg/kg wet							
Vinyl chloride	BRL	0.0050	mg/kg wet							
Xylenes, total	BRL	0.015	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	*0.0531*		*mg/kg wet*	*0.05000*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0462*		*mg/kg wet*	*0.05000*		*92*	*84-123*			
Surrogate: Toluene-d8	*0.0489*		*mg/kg wet*	*0.05000*		*98*	*76-129*			
LCS (P5G0461-BS1)				Prepared & Analyzed: 07/24/15						
1,1,1,2-Tetrachloroethane	0.0479	0.0050	mg/kg wet	0.05000		96	72-115			
1,1,1-Trichloroethane	0.0416	0.0050	mg/kg wet	0.05000		83	67-131			
1,1,2,2-Tetrachloroethane	0.0544	0.0050	mg/kg wet	0.05000		109	56-126			
1,1,2-Trichloroethane	0.0503	0.0050	mg/kg wet	0.05000		101	70-133			
1,1-Dichloroethane	0.0425	0.0050	mg/kg wet	0.05000		85	74-127			
1,1-Dichloroethylene	0.0440	0.0050	mg/kg wet	0.05000		88	67-149			
1,1-Dichloropropylene	0.0498	0.0050	mg/kg wet	0.05000		100	71-130			
1,2,3-Trichlorobenzene	0.0532	0.0050	mg/kg wet	0.05000		106	68-130			
1,2,3-Trichloropropane	0.0567	0.0050	mg/kg wet	0.05000		113	60-137			
1,2,4-Trichlorobenzene	0.0514	0.0050	mg/kg wet	0.05000		103	66-125			
1,2,4-Trimethylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	69-129			
1,2-Dibromoethane	0.0540	0.0050	mg/kg wet	0.05000		108	70-132			
1,2-Dichlorobenzene	0.0504	0.0050	mg/kg wet	0.05000		101	72-123			
1,2-Dichloroethane	0.0458	0.0050	mg/kg wet	0.05000		92	68-128			
1,2-Dichloropropane	0.0468	0.0050	mg/kg wet	0.05000		94	73-130			
1,3,5-Trimethylbenzene	0.0504	0.0050	mg/kg wet	0.05000		101	69-128			
1,3-Dichlorobenzene	0.0482	0.0050	mg/kg wet	0.05000		96	71-120			
1,3-Dichloropropane	0.0527	0.0050	mg/kg wet	0.05000		105	75-124			
1,4-Dichlorobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	71-123			
2,2-Dichloropropane	0.0428	0.0050	mg/kg wet	0.05000		86	50-142			
2-Chlorotoluene	0.0486	0.0050	mg/kg wet	0.05000		97	67-124			
4-Chlorotoluene	0.0498	0.0050	mg/kg wet	0.05000		100	71-126			
4-Isopropyltoluene	0.0491	0.0050	mg/kg wet	0.05000		98	68-129			
Acetone	0.108	0.050	mg/kg wet	0.1000		108	29-198			

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0461 - 5035										
LCS (P5G0461-BS1)				Prepared & Analyzed: 07/24/15						
Benzene	0.0464	0.0030	mg/kg wet	0.05000		93	74-127			
Bromobenzene	0.0490	0.0050	mg/kg wet	0.05000		98	73-125			
Bromochloromethane	0.0502	0.0050	mg/kg wet	0.05000		100	72-134			
Bromodichloromethane	0.0436	0.0050	mg/kg wet	0.05000		87	75-122			
Bromoform	0.0505	0.0050	mg/kg wet	0.05000		101	66-135			
Bromomethane	0.0412	0.010	mg/kg wet	0.05000		82	20-180			
Carbon Tetrachloride	0.0462	0.0050	mg/kg wet	0.05000		92	64-143			
Chlorobenzene	0.0486	0.0050	mg/kg wet	0.05000		97	74-118			
Chloroethane	0.0397	0.010	mg/kg wet	0.05000		79	33-149			
Chloroform	0.0420	0.0050	mg/kg wet	0.05000		84	73-127			
Chloromethane	0.0380	0.0050	mg/kg wet	0.05000		76	45-143			
cis-1,2-Dichloroethylene	0.0447	0.0050	mg/kg wet	0.05000		89	76-134			
cis-1,3-Dichloropropylene	0.0499	0.0050	mg/kg wet	0.05000		100	71-125			
Dibromochloromethane	0.0489	0.0050	mg/kg wet	0.05000		98	73-122			
Dichlorodifluoromethane	0.0362	0.0050	mg/kg wet	0.05000		72	26-146			
Ethylbenzene	0.0478	0.0050	mg/kg wet	0.05000		96	74-128			
Isopropyl Ether	0.0442	0.0050	mg/kg wet	0.05000		88	59-159			
Isopropylbenzene (Cumene)	0.0524	0.0050	mg/kg wet	0.05000		105	68-126			
m,p-Xylenes	0.0974	0.010	mg/kg wet	0.1000		97	75-124			
Methyl Butyl Ketone (2-Hexanone)	0.0648	0.050	mg/kg wet	0.05000		130	61-157			
Methyl Ethyl Ketone (2-Butanone)	0.0509	0.10	mg/kg wet	0.05000		102	63-149			J
Methyl Isobutyl Ketone	0.0566	0.050	mg/kg wet	0.05000		113	57-162			
Methylene Chloride	0.0433	0.0050	mg/kg wet	0.05000		87	74-129			
Methyl-tert-Butyl Ether	0.0508	0.010	mg/kg wet	0.05000		102	70-130			
Naphthalene	0.0570	0.010	mg/kg wet	0.05000		114	57-157			
n-Butylbenzene	0.0476	0.0050	mg/kg wet	0.05000		95	65-135			
n-Propylbenzene	0.0486	0.0050	mg/kg wet	0.05000		97	67-130			
o-Xylene	0.0485	0.0050	mg/kg wet	0.05000		97	74-126			
sec-Butylbenzene	0.0526	0.0050	mg/kg wet	0.05000		105	66-131			
Styrene	0.0497	0.0050	mg/kg wet	0.05000		99	77-121			
tert-Butylbenzene	0.0498	0.0050	mg/kg wet	0.05000		100	67-132			
Tetrachloroethylene	0.0458	0.0050	mg/kg wet	0.05000		92	68-130			
Toluene	0.0452	0.0050	mg/kg wet	0.05000		90	71-129			
trans-1,2-Dichloroethylene	0.0448	0.0050	mg/kg wet	0.05000		90	73-132			
trans-1,3-Dichloropropylene	0.0521	0.0050	mg/kg wet	0.05000		104	68-123			
Trichloroethylene	0.0454	0.0050	mg/kg wet	0.05000		91	75-133			
Trichlorofluoromethane	0.0464	0.0050	mg/kg wet	0.05000		93	44-146			
Vinyl acetate	0.0576	0.025	mg/kg wet	0.05000		115	85-161			
Vinyl chloride	0.0396	0.0050	mg/kg wet	0.05000		79	48-147			
Xylenes, total	0.146	0.015	mg/kg wet	0.1500		97	74-126			
Surrogate: 4-Bromofluorobenzene	*0.0492*		*mg/kg wet*	*0.05000*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0470*		*mg/kg wet*	*0.05000*		*94*	*84-123*			
Surrogate: Toluene-d8	*0.0476*		*mg/kg wet*	*0.05000*		*95*	*76-129*			

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0461 - 5035										
LCS Dup (P5G0461-BSD1)				Prepared & Analyzed: 07/24/15						
1,1,1,2-Tetrachloroethane	0.0429	0.0050	mg/kg wet	0.05000		86	72-115	11	20	
1,1,1-Trichloroethane	0.0388	0.0050	mg/kg wet	0.05000		78	67-131	7	20	
1,1,2,2-Tetrachloroethane	0.0450	0.0050	mg/kg wet	0.05000		90	56-126	19	20	
1,1,2-Trichloroethane	0.0425	0.0050	mg/kg wet	0.05000		85	70-133	17	20	
1,1-Dichloroethane	0.0386	0.0050	mg/kg wet	0.05000		77	74-127	10	20	
1,1-Dichloroethylene	0.0396	0.0050	mg/kg wet	0.05000		79	67-149	11	20	
1,1-Dichloropropylene	0.0472	0.0050	mg/kg wet	0.05000		94	71-130	5	20	
1,2,3-Trichlorobenzene	0.0510	0.0050	mg/kg wet	0.05000		102	68-130	4	20	
1,2,3-Trichloropropane	0.0464	0.0050	mg/kg wet	0.05000		93	60-137	20	20	
1,2,4-Trichlorobenzene	0.0511	0.0050	mg/kg wet	0.05000		102	66-125	0.5	20	
1,2,4-Trimethylbenzene	0.0481	0.0050	mg/kg wet	0.05000		96	69-129	8	20	
1,2-Dibromoethane	0.0460	0.0050	mg/kg wet	0.05000		92	70-132	16	20	
1,2-Dichlorobenzene	0.0500	0.0050	mg/kg wet	0.05000		100	72-123	0.7	20	
1,2-Dichloroethane	0.0394	0.0050	mg/kg wet	0.05000		79	68-128	15	20	
1,2-Dichloropropane	0.0425	0.0050	mg/kg wet	0.05000		85	73-130	10	20	
1,3,5-Trimethylbenzene	0.0495	0.0050	mg/kg wet	0.05000		99	69-128	2	20	
1,3-Dichlorobenzene	0.0492	0.0050	mg/kg wet	0.05000		98	71-120	2	20	
1,3-Dichloropropane	0.0472	0.0050	mg/kg wet	0.05000		94	75-124	11	20	
1,4-Dichlorobenzene	0.0481	0.0050	mg/kg wet	0.05000		96	71-123	6	20	
2,2-Dichloropropane	0.0396	0.0050	mg/kg wet	0.05000		79	50-142	8	20	
2-Chlorotoluene	0.0471	0.0050	mg/kg wet	0.05000		94	67-124	3	20	
4-Chlorotoluene	0.0484	0.0050	mg/kg wet	0.05000		97	71-126	3	20	
4-Isopropyltoluene	0.0496	0.0050	mg/kg wet	0.05000		99	68-129	1	20	
Acetone	0.0756	0.050	mg/kg wet	0.1000		76	29-198	36	20	D
Benzene	0.0416	0.0030	mg/kg wet	0.05000		83	74-127	11	20	
Bromobenzene	0.0459	0.0050	mg/kg wet	0.05000		92	73-125	7	20	
Bromochloromethane	0.0455	0.0050	mg/kg wet	0.05000		91	72-134	10	20	
Bromodichloromethane	0.0391	0.0050	mg/kg wet	0.05000		78	75-122	11	20	
Bromoform	0.0430	0.0050	mg/kg wet	0.05000		86	66-135	16	20	
Bromomethane	0.0373	0.010	mg/kg wet	0.05000		75	20-180	10	20	
Carbon Tetrachloride	0.0430	0.0050	mg/kg wet	0.05000		86	64-143	7	20	
Chlorobenzene	0.0456	0.0050	mg/kg wet	0.05000		91	74-118	6	20	
Chloroethane	0.0342	0.010	mg/kg wet	0.05000		68	33-149	15	20	
Chloroform	0.0387	0.0050	mg/kg wet	0.05000		77	73-127	8	20	
Chloromethane	0.0369	0.0050	mg/kg wet	0.05000		74	45-143	3	20	
cis-1,2-Dichloroethylene	0.0403	0.0050	mg/kg wet	0.05000		81	76-134	10	20	
cis-1,3-Dichloropropylene	0.0457	0.0050	mg/kg wet	0.05000		91	71-125	9	20	
Dibromochloromethane	0.0434	0.0050	mg/kg wet	0.05000		87	73-122	12	20	
Dichlorodifluoromethane	0.0330	0.0050	mg/kg wet	0.05000		66	26-146	9	20	
Ethylbenzene	0.0446	0.0050	mg/kg wet	0.05000		89	74-128	7	20	
Isopropyl Ether	0.0392	0.0050	mg/kg wet	0.05000		78	59-159	12	20	
Isopropylbenzene (Cumene)	0.0532	0.0050	mg/kg wet	0.05000		106	68-126	2	20	
m,p-Xylenes	0.0907	0.010	mg/kg wet	0.1000		91	75-124	7	20	
Methyl Butyl Ketone (2-Hexanone)	0.0469	0.050	mg/kg wet	0.05000		94	61-157	32	20	D, J
Methyl Ethyl Ketone (2-Butanone)	0.0375	0.10	mg/kg wet	0.05000		75	63-149	30	20	D, J
Methyl Isobutyl Ketone	0.0397	0.050	mg/kg wet	0.05000		79	57-162	35	20	D, J

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0461 - 5035										
LCS Dup (P5G0461-BSD1)				Prepared & Analyzed: 07/24/15						
Methylene Chloride	0.0394	0.0050	mg/kg wet	0.05000		79	74-129	9	20	
Methyl-tert-Butyl Ether	0.0412	0.010	mg/kg wet	0.05000		82	70-130	21	20	D
Naphthalene	0.0498	0.010	mg/kg wet	0.05000		100	57-157	14	20	
n-Butylbenzene	0.0478	0.0050	mg/kg wet	0.05000		96	65-135	0.3	20	
n-Propylbenzene	0.0462	0.0050	mg/kg wet	0.05000		92	67-130	5	20	
o-Xylene	0.0441	0.0050	mg/kg wet	0.05000		88	74-126	10	20	
sec-Butylbenzene	0.0516	0.0050	mg/kg wet	0.05000		103	66-131	2	20	
Styrene	0.0460	0.0050	mg/kg wet	0.05000		92	77-121	8	20	
tert-Butylbenzene	0.0500	0.0050	mg/kg wet	0.05000		100	67-132	0.4	20	
Tetrachloroethylene	0.0442	0.0050	mg/kg wet	0.05000		88	68-130	3	20	
Toluene	0.0440	0.0050	mg/kg wet	0.05000		88	71-129	3	20	
trans-1,2-Dichloroethylene	0.0415	0.0050	mg/kg wet	0.05000		83	73-132	8	20	
trans-1,3-Dichloropropylene	0.0454	0.0050	mg/kg wet	0.05000		91	68-123	14	20	
Trichloroethylene	0.0410	0.0050	mg/kg wet	0.05000		82	75-133	10	20	
Trichlorofluoromethane	0.0416	0.0050	mg/kg wet	0.05000		83	44-146	11	20	
Vinyl acetate	0.0446	0.025	mg/kg wet	0.05000		89	85-161	26	20	D
Vinyl chloride	0.0366	0.0050	mg/kg wet	0.05000		73	48-147	8	20	
Xylenes, total	0.135	0.015	mg/kg wet	0.1500		90	74-126	8	20	
Surrogate: 4-Bromofluorobenzene	*0.0498*		*mg/kg wet*	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0460*		*mg/kg wet*	*0.05000*		*92*	*84-123*			
Surrogate: Toluene-d8	*0.0498*		*mg/kg wet*	*0.05000*		*100*	*76-129*			
Batch P5G0498 - 5035										
Blank (P5G0498-BLK1)				Prepared & Analyzed: 07/27/15						
1,1,1,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,1-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,2-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethylene	BRL	0.0050	mg/kg wet							
1,1-Dichloropropylene	BRL	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,3-Trichloropropane	BRL	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,2-Dibromoethane	BRL	0.0050	mg/kg wet							
1,2-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,2-Dichloroethane	BRL	0.0050	mg/kg wet							
1,2-Dichloropropane	BRL	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,3-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,3-Dichloropropane	BRL	0.0050	mg/kg wet							
1,4-Dichlorobenzene	BRL	0.0050	mg/kg wet							
2,2-Dichloropropane	BRL	0.0050	mg/kg wet							
2-Chlorotoluene	BRL	0.0050	mg/kg wet							
4-Chlorotoluene	BRL	0.0050	mg/kg wet							

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0498 - 5035										
Blank (P5G0498-BLK1)				Prepared & Analyzed: 07/27/15						
4-Isopropyltoluene	BRL	0.0050	mg/kg wet							
Acetone	BRL	0.050	mg/kg wet							
Benzene	BRL	0.0030	mg/kg wet							
Bromobenzene	BRL	0.0050	mg/kg wet							
Bromochloromethane	BRL	0.0050	mg/kg wet							
Bromodichloromethane	BRL	0.0050	mg/kg wet							
Bromoform	BRL	0.0050	mg/kg wet							
Bromomethane	BRL	0.010	mg/kg wet							
Carbon Tetrachloride	BRL	0.0050	mg/kg wet							
Chlorobenzene	BRL	0.0050	mg/kg wet							
Chloroethane	BRL	0.010	mg/kg wet							
Chloroform	BRL	0.0050	mg/kg wet							
Chloromethane	BRL	0.0050	mg/kg wet							
cis-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
cis-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Dibromochloromethane	BRL	0.0050	mg/kg wet							
Dichlorodifluoromethane	BRL	0.0050	mg/kg wet							
Ethylbenzene	BRL	0.0050	mg/kg wet							
Isopropyl Ether	BRL	0.0050	mg/kg wet							
Isopropylbenzene (Cumene)	BRL	0.0050	mg/kg wet							
m,p-Xylenes	BRL	0.010	mg/kg wet							
Methyl Butyl Ketone (2-Hexanone)	BRL	0.050	mg/kg wet							
Methyl Ethyl Ketone (2-Butanone)	BRL	0.10	mg/kg wet							
Methyl Isobutyl Ketone	BRL	0.050	mg/kg wet							
Methylene Chloride	BRL	0.0050	mg/kg wet							
Methyl-tert-Butyl Ether	BRL	0.010	mg/kg wet							
Naphthalene	BRL	0.010	mg/kg wet							
n-Butylbenzene	BRL	0.0050	mg/kg wet							
n-Propylbenzene	BRL	0.0050	mg/kg wet							
o-Xylene	BRL	0.0050	mg/kg wet							
sec-Butylbenzene	BRL	0.0050	mg/kg wet							
Styrene	BRL	0.0050	mg/kg wet							
tert-Butylbenzene	BRL	0.0050	mg/kg wet							
Tetrachloroethylene	BRL	0.0050	mg/kg wet							
Toluene	BRL	0.0050	mg/kg wet							
trans-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
trans-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Trichloroethylene	BRL	0.0050	mg/kg wet							
Trichlorofluoromethane	BRL	0.0050	mg/kg wet							
Vinyl acetate	BRL	0.025	mg/kg wet							
Vinyl chloride	BRL	0.0050	mg/kg wet							
Xylenes, total	BRL	0.015	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	*0.0549*		*mg/kg wet*	*0.05000*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0451*		*mg/kg wet*	*0.05000*		*90*	*84-123*			
Surrogate: Toluene-d8	*0.0456*		*mg/kg wet*	*0.05000*		*91*	*76-129*			

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0498 - 5035										
LCS (P5G0498-BS1)				Prepared & Analyzed: 07/27/15						
1,1,1,2-Tetrachloroethane	0.0453	0.0050	mg/kg wet	0.05000		91	72-115			
1,1,1-Trichloroethane	0.0410	0.0050	mg/kg wet	0.05000		82	67-131			
1,1,2,2-Tetrachloroethane	0.0517	0.0050	mg/kg wet	0.05000		103	56-126			
1,1,2-Trichloroethane	0.0466	0.0050	mg/kg wet	0.05000		93	70-133			
1,1-Dichloroethane	0.0415	0.0050	mg/kg wet	0.05000		83	74-127			
1,1-Dichloroethylene	0.0451	0.0050	mg/kg wet	0.05000		90	67-149			
1,1-Dichloropropylene	0.0504	0.0050	mg/kg wet	0.05000		101	71-130			
1,2,3-Trichlorobenzene	0.0500	0.0050	mg/kg wet	0.05000		100	68-130			
1,2,3-Trichloropropane	0.0514	0.0050	mg/kg wet	0.05000		103	60-137			
1,2,4-Trichlorobenzene	0.0485	0.0050	mg/kg wet	0.05000		97	66-125			
1,2,4-Trimethylbenzene	0.0500	0.0050	mg/kg wet	0.05000		100	69-129			
1,2-Dibromoethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-132			
1,2-Dichlorobenzene	0.0472	0.0050	mg/kg wet	0.05000		94	72-123			
1,2-Dichloroethane	0.0423	0.0050	mg/kg wet	0.05000		85	68-128			
1,2-Dichloropropane	0.0442	0.0050	mg/kg wet	0.05000		88	73-130			
1,3,5-Trimethylbenzene	0.0486	0.0050	mg/kg wet	0.05000		97	69-128			
1,3-Dichlorobenzene	0.0478	0.0050	mg/kg wet	0.05000		96	71-120			
1,3-Dichloropropane	0.0481	0.0050	mg/kg wet	0.05000		96	75-124			
1,4-Dichlorobenzene	0.0472	0.0050	mg/kg wet	0.05000		94	71-123			
2,2-Dichloropropane	0.0429	0.0050	mg/kg wet	0.05000		86	50-142			
2-Chlorotoluene	0.0463	0.0050	mg/kg wet	0.05000		93	67-124			
4-Chlorotoluene	0.0476	0.0050	mg/kg wet	0.05000		95	71-126			
4-Isopropyltoluene	0.0470	0.0050	mg/kg wet	0.05000		94	68-129			
Acetone	0.0979	0.050	mg/kg wet	0.1000		98	29-198			
Benzene	0.0464	0.0030	mg/kg wet	0.05000		93	74-127			
Bromobenzene	0.0461	0.0050	mg/kg wet	0.05000		92	73-125			
Bromochloromethane	0.0481	0.0050	mg/kg wet	0.05000		96	72-134			
Bromodichloromethane	0.0402	0.0050	mg/kg wet	0.05000		80	75-122			
Bromoform	0.0471	0.0050	mg/kg wet	0.05000		94	66-135			
Bromomethane	0.0415	0.010	mg/kg wet	0.05000		83	20-180			
Carbon Tetrachloride	0.0470	0.0050	mg/kg wet	0.05000		94	64-143			
Chlorobenzene	0.0461	0.0050	mg/kg wet	0.05000		92	74-118			
Chloroethane	0.0398	0.010	mg/kg wet	0.05000		80	33-149			
Chloroform	0.0395	0.0050	mg/kg wet	0.05000		79	73-127			
Chloromethane	0.0410	0.0050	mg/kg wet	0.05000		82	45-143			
cis-1,2-Dichloroethylene	0.0429	0.0050	mg/kg wet	0.05000		86	76-134			
cis-1,3-Dichloropropylene	0.0482	0.0050	mg/kg wet	0.05000		96	71-125			
Dibromochloromethane	0.0456	0.0050	mg/kg wet	0.05000		91	73-122			
Dichlorodifluoromethane	0.0480	0.0050	mg/kg wet	0.05000		96	26-146			
Ethylbenzene	0.0460	0.0050	mg/kg wet	0.05000		92	74-128			
Isopropyl Ether	0.0419	0.0050	mg/kg wet	0.05000		84	59-159			
Isopropylbenzene (Cumene)	0.0520	0.0050	mg/kg wet	0.05000		104	68-126			
m,p-Xylenes	0.0954	0.010	mg/kg wet	0.1000		95	75-124			
Methyl Butyl Ketone (2-Hexanone)	0.0568	0.050	mg/kg wet	0.05000		114	61-157			
Methyl Ethyl Ketone (2-Butanone)	0.0463	0.10	mg/kg wet	0.05000		93	63-149			J
Methyl Isobutyl Ketone	0.0530	0.050	mg/kg wet	0.05000		106	57-162			

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Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0498 - 5035										
LCS (P5G0498-BS1)				Prepared & Analyzed: 07/27/15						
Methylene Chloride	0.0422	0.0050	mg/kg wet	0.05000		84	74-129			
Methyl-tert-Butyl Ether	0.0463	0.010	mg/kg wet	0.05000		93	70-130			
Naphthalene	0.0537	0.010	mg/kg wet	0.05000		107	57-157			
n-Butylbenzene	0.0476	0.0050	mg/kg wet	0.05000		95	65-135			
n-Propylbenzene	0.0475	0.0050	mg/kg wet	0.05000		95	67-130			
o-Xylene	0.0473	0.0050	mg/kg wet	0.05000		95	74-126			
sec-Butylbenzene	0.0542	0.0050	mg/kg wet	0.05000		108	66-131			
Styrene	0.0477	0.0050	mg/kg wet	0.05000		95	77-121			
tert-Butylbenzene	0.0525	0.0050	mg/kg wet	0.05000		105	67-132			
Tetrachloroethylene	0.0474	0.0050	mg/kg wet	0.05000		95	68-130			
Toluene	0.0452	0.0050	mg/kg wet	0.05000		90	71-129			
trans-1,2-Dichloroethylene	0.0429	0.0050	mg/kg wet	0.05000		86	73-132			
trans-1,3-Dichloropropylene	0.0485	0.0050	mg/kg wet	0.05000		97	68-123			
Trichloroethylene	0.0446	0.0050	mg/kg wet	0.05000		89	75-133			
Trichlorofluoromethane	0.0488	0.0050	mg/kg wet	0.05000		98	44-146			
Vinyl acetate	0.0520	0.025	mg/kg wet	0.05000		104	85-161			
Vinyl chloride	0.0436	0.0050	mg/kg wet	0.05000		87	48-147			
Xylenes, total	0.143	0.015	mg/kg wet	0.1500		95	74-126			
Surrogate: 4-Bromofluorobenzene	*0.0478*		*mg/kg wet*	*0.05000*		*96*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0451*		*mg/kg wet*	*0.05000*		*90*	*84-123*			
Surrogate: Toluene-d8	*0.0467*		*mg/kg wet*	*0.05000*		*93*	*76-129*			
LCS Dup (P5G0498-BSD1)				Prepared & Analyzed: 07/27/15						
1,1,1,2-Tetrachloroethane	0.0454	0.0050	mg/kg wet	0.05000		91	72-115	0.2	20	
1,1,1-Trichloroethane	0.0437	0.0050	mg/kg wet	0.05000		87	67-131	6	20	
1,1,2,2-Tetrachloroethane	0.0449	0.0050	mg/kg wet	0.05000		90	56-126	14	20	
1,1,2-Trichloroethane	0.0444	0.0050	mg/kg wet	0.05000		89	70-133	5	20	
1,1-Dichloroethane	0.0432	0.0050	mg/kg wet	0.05000		86	74-127	4	20	
1,1-Dichloroethylene	0.0457	0.0050	mg/kg wet	0.05000		91	67-149	1	20	
1,1-Dichloropropylene	0.0509	0.0050	mg/kg wet	0.05000		102	71-130	1	20	
1,2,3-Trichlorobenzene	0.0495	0.0050	mg/kg wet	0.05000		99	68-130	1	20	
1,2,3-Trichloropropane	0.0449	0.0050	mg/kg wet	0.05000		90	60-137	13	20	
1,2,4-Trichlorobenzene	0.0488	0.0050	mg/kg wet	0.05000		98	66-125	0.7	20	
1,2,4-Trimethylbenzene	0.0511	0.0050	mg/kg wet	0.05000		102	69-129	2	20	
1,2-Dibromoethane	0.0469	0.0050	mg/kg wet	0.05000		94	70-132	5	20	
1,2-Dichlorobenzene	0.0479	0.0050	mg/kg wet	0.05000		96	72-123	1	20	
1,2-Dichloroethane	0.0410	0.0050	mg/kg wet	0.05000		82	68-128	3	20	
1,2-Dichloropropane	0.0452	0.0050	mg/kg wet	0.05000		90	73-130	2	20	
1,3,5-Trimethylbenzene	0.0505	0.0050	mg/kg wet	0.05000		101	69-128	4	20	
1,3-Dichlorobenzene	0.0482	0.0050	mg/kg wet	0.05000		96	71-120	0.8	20	
1,3-Dichloropropane	0.0466	0.0050	mg/kg wet	0.05000		93	75-124	3	20	
1,4-Dichlorobenzene	0.0480	0.0050	mg/kg wet	0.05000		96	71-123	2	20	
2,2-Dichloropropane	0.0438	0.0050	mg/kg wet	0.05000		88	50-142	2	20	
2-Chlorotoluene	0.0474	0.0050	mg/kg wet	0.05000		95	67-124	2	20	
4-Chlorotoluene	0.0502	0.0050	mg/kg wet	0.05000		100	71-126	5	20	
4-Isopropyltoluene	0.0500	0.0050	mg/kg wet	0.05000		100	68-129	6	20	
Acetone	0.0771	0.050	mg/kg wet	0.1000		77	29-198	24	20	D

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Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0498 - 5035										
LCS Dup (P5G0498-BSD1)				Prepared & Analyzed: 07/27/15						
Benzene	0.0457	0.0030	mg/kg wet	0.05000		91	74-127	2	20	
Bromobenzene	0.0453	0.0050	mg/kg wet	0.05000		91	73-125	2	20	
Bromochloromethane	0.0471	0.0050	mg/kg wet	0.05000		94	72-134	2	20	
Bromodichloromethane	0.0402	0.0050	mg/kg wet	0.05000		80	75-122	0.2	20	
Bromoform	0.0443	0.0050	mg/kg wet	0.05000		89	66-135	6	20	
Bromomethane	0.0431	0.010	mg/kg wet	0.05000		86	20-180	4	20	
Carbon Tetrachloride	0.0474	0.0050	mg/kg wet	0.05000		95	64-143	0.7	20	
Chlorobenzene	0.0470	0.0050	mg/kg wet	0.05000		94	74-118	2	20	
Chloroethane	0.0404	0.010	mg/kg wet	0.05000		81	33-149	2	20	
Chloroform	0.0409	0.0050	mg/kg wet	0.05000		82	73-127	3	20	
Chloromethane	0.0415	0.0050	mg/kg wet	0.05000		83	45-143	1	20	
cis-1,2-Dichloroethylene	0.0439	0.0050	mg/kg wet	0.05000		88	76-134	2	20	
cis-1,3-Dichloropropylene	0.0473	0.0050	mg/kg wet	0.05000		95	71-125	2	20	
Dibromochloromethane	0.0441	0.0050	mg/kg wet	0.05000		88	73-122	3	20	
Dichlorodifluoromethane	0.0490	0.0050	mg/kg wet	0.05000		98	26-146	2	20	
Ethylbenzene	0.0472	0.0050	mg/kg wet	0.05000		94	74-128	3	20	
Isopropyl Ether	0.0436	0.0050	mg/kg wet	0.05000		87	59-159	4	20	
Isopropylbenzene (Cumene)	0.0568	0.0050	mg/kg wet	0.05000		114	68-126	9	20	
m,p-Xylenes	0.0984	0.010	mg/kg wet	0.1000		98	75-124	3	20	
Methyl Butyl Ketone (2-Hexanone)	0.0468	0.050	mg/kg wet	0.05000		94	61-157	19	20	J
Methyl Ethyl Ketone (2-Butanone)	0.0392	0.10	mg/kg wet	0.05000		78	63-149	17	20	J
Methyl Isobutyl Ketone	0.0408	0.050	mg/kg wet	0.05000		82	57-162	26	20	D, J
Methylene Chloride	0.0413	0.0050	mg/kg wet	0.05000		83	74-129	2	20	
Methyl-tert-Butyl Ether	0.0430	0.010	mg/kg wet	0.05000		86	70-130	8	20	
Naphthalene	0.0470	0.010	mg/kg wet	0.05000		94	57-157	13	20	
n-Butylbenzene	0.0500	0.0050	mg/kg wet	0.05000		100	65-135	5	20	
n-Propylbenzene	0.0486	0.0050	mg/kg wet	0.05000		97	67-130	2	20	
o-Xylene	0.0466	0.0050	mg/kg wet	0.05000		93	74-126	1	20	
sec-Butylbenzene	0.0529	0.0050	mg/kg wet	0.05000		106	66-131	2	20	
Styrene	0.0487	0.0050	mg/kg wet	0.05000		97	77-121	2	20	
tert-Butylbenzene	0.0532	0.0050	mg/kg wet	0.05000		106	67-132	1	20	
Tetrachloroethylene	0.0489	0.0050	mg/kg wet	0.05000		98	68-130	3	20	
Toluene	0.0449	0.0050	mg/kg wet	0.05000		90	71-129	0.5	20	
trans-1,2-Dichloroethylene	0.0445	0.0050	mg/kg wet	0.05000		89	73-132	4	20	
trans-1,3-Dichloropropylene	0.0469	0.0050	mg/kg wet	0.05000		94	68-123	3	20	
Trichloroethylene	0.0454	0.0050	mg/kg wet	0.05000		91	75-133	2	20	
Trichlorofluoromethane	0.0504	0.0050	mg/kg wet	0.05000		101	44-146	3	20	
Vinyl acetate	0.0538	0.025	mg/kg wet	0.05000		108	85-161	3	20	
Vinyl chloride	0.0426	0.0050	mg/kg wet	0.05000		85	48-147	2	20	
Xylenes, total	0.145	0.015	mg/kg wet	0.1500		97	74-126	2	20	
Surrogate: 4-Bromofluorobenzene	*0.0493*		*mg/kg wet*	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0458*		*mg/kg wet*	*0.05000*		*92*	*84-123*			
Surrogate: Toluene-d8	*0.0467*		*mg/kg wet*	*0.05000*		*93*	*76-129*			

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Mid-Atlantic Associates, Inc. - Raleigh
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Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0361 - 3546										
Blank (P5G0361-BLK1)				Prepared: 07/21/15 Analyzed: 07/22/15						
1,2,4-Trichlorobenzene	BRL	0.33	mg/kg wet							
1,2-Dichlorobenzene	BRL	0.33	mg/kg wet							
1,3-Dichlorobenzene	BRL	0.33	mg/kg wet							
1,4-Dichlorobenzene	BRL	0.33	mg/kg wet							
1-Methylnaphthalene	BRL	0.33	mg/kg wet							
2,4,6-Trichlorophenol	BRL	0.33	mg/kg wet							
2,4-Dichlorophenol	BRL	0.33	mg/kg wet							
2,4-Dimethylphenol	BRL	0.33	mg/kg wet							
2,4-Dinitrophenol	BRL	0.33	mg/kg wet							
2,4-Dinitrotoluene	BRL	0.33	mg/kg wet							
2,6-Dinitrotoluene	BRL	0.33	mg/kg wet							
2-Chloronaphthalene	BRL	0.33	mg/kg wet							
2-Chlorophenol	BRL	0.33	mg/kg wet							
2-Methylnaphthalene	BRL	0.33	mg/kg wet							
2-Methylphenol	BRL	0.33	mg/kg wet							
2-Nitrophenol	BRL	0.33	mg/kg wet							
3,3'-Dichlorobenzidine	BRL	0.33	mg/kg wet							
3/4-Methylphenol	BRL	0.33	mg/kg wet							
4,6-Dinitro-2-methylphenol	BRL	0.33	mg/kg wet							
4-Bromophenyl phenyl ether	BRL	0.33	mg/kg wet							
4-Chloro-3-methylphenol	BRL	0.33	mg/kg wet							
4-Chloroaniline	BRL	0.33	mg/kg wet							
4-Chlorophenyl phenyl ether	BRL	0.33	mg/kg wet							
4-Nitrophenol	BRL	0.33	mg/kg wet							
Acenaphthene	BRL	0.33	mg/kg wet							A
Acenaphthylene	BRL	0.33	mg/kg wet							
Anthracene	BRL	0.33	mg/kg wet							
Azobenzene	BRL	0.33	mg/kg wet							
Benzo(a)anthracene	BRL	0.33	mg/kg wet							
Benzo(a)pyrene	BRL	0.33	mg/kg wet							
Benzo(b)fluoranthene	BRL	0.33	mg/kg wet							
Benzo(g,h,i)perylene	BRL	0.33	mg/kg wet							
Benzo(k)fluoranthene	BRL	0.33	mg/kg wet							
Benzoic Acid	BRL	0.33	mg/kg wet							
Benzyl alcohol	BRL	0.33	mg/kg wet							
bis(2-Chloroethoxy)methane	BRL	0.33	mg/kg wet							
Bis(2-Chloroethyl)ether	BRL	0.33	mg/kg wet							
Bis(2-chloroisopropyl)ether	BRL	0.33	mg/kg wet							
Bis(2-Ethylhexyl)phthalate	BRL	0.33	mg/kg wet							
Butyl benzyl phthalate	BRL	0.33	mg/kg wet							
Chrysene	BRL	0.33	mg/kg wet							
Dibenzo(a,h)anthracene	BRL	0.33	mg/kg wet							
Dibenzofuran	BRL	0.33	mg/kg wet							
Diethyl phthalate	BRL	0.33	mg/kg wet							
Dimethyl phthalate	BRL	0.33	mg/kg wet							
Di-n-butyl phthalate	BRL	0.33	mg/kg wet							

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Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0361 - 3546										
Blank (P5G0361-BLK1)				Prepared: 07/21/15 Analyzed: 07/22/15						
Di-n-octyl phthalate	BRL	0.33	mg/kg wet							
Fluoranthene	BRL	0.33	mg/kg wet							
Fluorene	BRL	0.33	mg/kg wet							
Hexachlorobenzene	BRL	0.33	mg/kg wet							
Hexachlorobutadiene	BRL	0.33	mg/kg wet							
Hexachlorocyclopentadiene	BRL	0.33	mg/kg wet							
Hexachloroethane	BRL	0.33	mg/kg wet							
Indeno(1,2,3-cd)pyrene	BRL	0.33	mg/kg wet							
Isophorone	BRL	0.33	mg/kg wet							
Naphthalene	BRL	0.33	mg/kg wet							
Nitrobenzene	BRL	0.33	mg/kg wet							
N-Nitroso-di-n-propylamine	BRL	0.33	mg/kg wet							
N-Nitrosodiphenylamine	BRL	0.33	mg/kg wet							
Pentachlorophenol	BRL	0.33	mg/kg wet							
Phenanthrene	BRL	0.33	mg/kg wet							
Phenol	BRL	0.33	mg/kg wet							
Pyrene	BRL	0.33	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	*5.36*		*mg/kg wet*	*3.333*		*161*	*39-132*			*SR*
Surrogate: 2-Fluorobiphenyl	*2.15*		*mg/kg wet*	*1.667*		*129*	*44-115*			*SR*
Surrogate: 2-Fluorophenol	*4.44*		*mg/kg wet*	*3.333*		*133*	*35-115*			*SR*
Surrogate: Nitrobenzene-d5	*1.90*		*mg/kg wet*	*1.667*		*114*	*37-122*			
Surrogate: Phenol-d5	*4.54*		*mg/kg wet*	*3.333*		*136*	*34-121*			*SR*
Surrogate: Terphenyl-d14	*2.46*		*mg/kg wet*	*1.667*		*148*	*54-127*			*SR*
LCS (P5G0361-BS1)				Prepared: 07/21/15 Analyzed: 07/22/15						
1,2,4-Trichlorobenzene	1.38	0.33	mg/kg wet	1.667		83	34-118			
1,2-Dichlorobenzene	1.25	0.33	mg/kg wet	1.667		75	33-117			
1,3-Dichlorobenzene	1.16	0.33	mg/kg wet	1.667		70	30-115			
1,4-Dichlorobenzene	1.18	0.33	mg/kg wet	1.667		71	31-115			
1-Methylnaphthalene	1.53	0.33	mg/kg wet	1.667		92	40-119			
2,4,6-Trichlorophenol	1.97	0.33	mg/kg wet	1.667		118	39-126			
2,4-Dichlorophenol	1.66	0.33	mg/kg wet	1.667		100	40-122			
2,4-Dimethylphenol	1.67	0.33	mg/kg wet	1.667		100	30-127			
2,4-Dinitrophenol	2.48	0.33	mg/kg wet	1.667		149	27-129			L1
2,4-Dinitrotoluene	2.17	0.33	mg/kg wet	1.667		130	48-126			L1
2,6-Dinitrotoluene	2.07	0.33	mg/kg wet	1.667		124	46-124			
2-Chloronaphthalene	2.18	0.33	mg/kg wet	1.667		131	41-114			LH
2-Chlorophenol	1.39	0.33	mg/kg wet	1.667		83	34-121			
2-Methylnaphthalene	1.52	0.33	mg/kg wet	1.667		91	38-122			
2-Methylphenol	1.49	0.33	mg/kg wet	1.667		90	32-122			
2-Nitrophenol	1.52	0.33	mg/kg wet	1.667		91	36-123			
3,3'-Dichlorobenzidine	2.37	0.33	mg/kg wet	1.667		142	22-121			LH
3/4-Methylphenol	1.66	0.33	mg/kg wet	1.667		100	34-119			
4,6-Dinitro-2-methylphenol	2.54	0.33	mg/kg wet	1.667		152	29-132			L1
4-Bromophenyl phenyl ether	1.96	0.33	mg/kg wet	1.667		118	46-124			
4-Chloro-3-methylphenol	1.98	0.33	mg/kg wet	1.667		119	45-122			
4-Chloroaniline	1.52	0.33	mg/kg wet	1.667		91	17-106			

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0361 - 3546										
LCS (P5G0361-BS1)				Prepared: 07/21/15 Analyzed: 07/22/15						
4-Chlorophenyl phenyl ether	1.78	0.33	mg/kg wet	1.667		107	45-121			
4-Nitrophenol	2.47	0.33	mg/kg wet	1.667		148	30-132			L1
Acenaphthene	1.78	0.33	mg/kg wet	1.667		107	40-123			
Acenaphthylene	1.77	0.33	mg/kg wet	1.667		106	32-132			
Anthracene	2.21	0.33	mg/kg wet	1.667		132	47-123			L1
Azobenzene	2.18	0.33	mg/kg wet	1.667		131	39-125			L1
Benzo(a)anthracene	2.26	0.33	mg/kg wet	1.667		136	49-126			L1
Benzo(a)pyrene	1.91	0.33	mg/kg wet	1.667		115	45-129			
Benzo(b)fluoranthene	1.96	0.33	mg/kg wet	1.667		117	45-132			
Benzo(g,h,i)perylene	1.83	0.33	mg/kg wet	1.667		110	43-134			
Benzo(k)fluoranthene	1.80	0.33	mg/kg wet	1.667		108	47-132			
Benzoic Acid	1.65	0.33	mg/kg wet	1.667		99	10-83			L1
Benzyl alcohol	1.56	0.33	mg/kg wet	1.667		93	29-122			
bis(2-Chloroethoxy)methane	1.39	0.33	mg/kg wet	1.667		83	36-121			
Bis(2-Chloroethyl)ether	1.27	0.33	mg/kg wet	1.667		76	31-120			
Bis(2-chloroisopropyl)ether	1.29	0.33	mg/kg wet	1.667		77	33-131			
Bis(2-Ethylhexyl)phthalate	2.37	0.33	mg/kg wet	1.667		142	51-133			L1
Butyl benzyl phthalate	2.45	0.33	mg/kg wet	1.667		147	48-132			L1
Chrysene	2.27	0.33	mg/kg wet	1.667		136	50-124			L1
Dibenzo(a,h)anthracene	1.80	0.33	mg/kg wet	1.667		108	45-134			
Dibenzofuran	1.92	0.33	mg/kg wet	1.667		115	44-120			
Diethyl phthalate	2.14	0.33	mg/kg wet	1.667		128	50-124			L1
Dimethyl phthalate	2.04	0.33	mg/kg wet	1.667		122	48-124			
Di-n-butyl phthalate	2.34	0.33	mg/kg wet	1.667		140	51-128			L1
Di-n-octyl phthalate	1.98	0.33	mg/kg wet	1.667		119	45-140			
Fluoranthene	2.23	0.33	mg/kg wet	1.667		134	50-127			L1
Fluorene	1.94	0.33	mg/kg wet	1.667		117	43-125			
Hexachlorobenzene	2.15	0.33	mg/kg wet	1.667		129	45-122			L1
Hexachlorobutadiene	1.33	0.33	mg/kg wet	1.667		80	32-123			
Hexachlorocyclopentadiene	1.54	0.33	mg/kg wet	1.667		93	32-117			
Hexachloroethane	1.17	0.33	mg/kg wet	1.667		70	28-117			
Indeno(1,2,3-cd)pyrene	1.81	0.33	mg/kg wet	1.667		108	45-133			
Isophorone	1.66	0.33	mg/kg wet	1.667		99	30-122			
Naphthalene	1.38	0.33	mg/kg wet	1.667		83	35-123			
Nitrobenzene	1.39	0.33	mg/kg wet	1.667		84	34-122			
N-Nitroso-di-n-propylamine	1.52	0.33	mg/kg wet	1.667		91	36-120			
N-Nitrosodiphenylamine	2.17	0.33	mg/kg wet	1.667		130	38-127			L1
Pentachlorophenol	2.62	0.33	mg/kg wet	1.667		157	25-133			L1
Phenanthrene	2.19	0.33	mg/kg wet	1.667		132	50-121			L1
Phenol	1.48	0.33	mg/kg wet	1.667		89	34-121			
Pyrene	2.25	0.33	mg/kg wet	1.667		135	47-127			L1
Surrogate: 2,4,6-Tribromophenol	*4.43*		*mg/kg wet*	*3.333*		*133*	*39-132*			*SR*
Surrogate: 2-Fluorobiphenyl	*1.77*		*mg/kg wet*	*1.667*		*106*	*44-115*			
Surrogate: 2-Fluorophenol	*2.88*		*mg/kg wet*	*3.333*		*86*	*35-115*			
Surrogate: Nitrobenzene-d5	*1.37*		*mg/kg wet*	*1.667*		*82*	*37-122*			
Surrogate: Phenol-d5	*3.09*		*mg/kg wet*	*3.333*		*93*	*34-121*			

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Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0361 - 3546										
LCS (P5G0361-BS1)				Prepared: 07/21/15 Analyzed: 07/22/15						
Surrogate: Terphenyl-d14	*2.25*		*mg/kg wet*	*1.667*		*135*	*54-127*			*SR*
LCS Dup (P5G0361-BSD1)				Prepared: 07/21/15 Analyzed: 07/22/15						
1,2,4-Trichlorobenzene	1.19	0.33	mg/kg wet	1.667		71	34-118	15	20	
1,2-Dichlorobenzene	1.02	0.33	mg/kg wet	1.667		61	33-117	20	20	
1,3-Dichlorobenzene	0.925	0.33	mg/kg wet	1.667		56	30-115	23	20	D
1,4-Dichlorobenzene	0.947	0.33	mg/kg wet	1.667		57	31-115	22	20	D
1-Methylnaphthalene	1.32	0.33	mg/kg wet	1.667		79	40-119	15	20	
2,4,6-Trichlorophenol	1.76	0.33	mg/kg wet	1.667		106	39-126	11	20	
2,4-Dichlorophenol	1.52	0.33	mg/kg wet	1.667		91	40-122	9	20	
2,4-Dimethylphenol	1.48	0.33	mg/kg wet	1.667		89	30-127	12	20	
2,4-Dinitrophenol	1.96	0.33	mg/kg wet	1.667		118	27-129	23	20	D
2,4-Dinitrotoluene	1.95	0.33	mg/kg wet	1.667		117	48-126	11	20	
2,6-Dinitrotoluene	1.86	0.33	mg/kg wet	1.667		112	46-124	11	20	
2-Chloronaphthalene	1.91	0.33	mg/kg wet	1.667		115	41-114	13	20	LH
2-Chlorophenol	1.30	0.33	mg/kg wet	1.667		78	34-121	7	20	
2-Methylnaphthalene	1.31	0.33	mg/kg wet	1.667		79	38-122	15	20	
2-Methylphenol	1.40	0.33	mg/kg wet	1.667		84	32-122	7	20	
2-Nitrophenol	1.34	0.33	mg/kg wet	1.667		80	36-123	12	20	
3,3'-Dichlorobenzidine	2.10	0.33	mg/kg wet	1.667		126	22-121	12	20	LH
3/4-Methylphenol	1.51	0.33	mg/kg wet	1.667		91	34-119	10	20	
4,6-Dinitro-2-methylphenol	2.08	0.33	mg/kg wet	1.667		125	29-132	20	20	
4-Bromophenyl phenyl ether	1.66	0.33	mg/kg wet	1.667		100	46-124	17	20	
4-Chloro-3-methylphenol	1.73	0.33	mg/kg wet	1.667		104	45-122	14	20	
4-Chloroaniline	1.34	0.33	mg/kg wet	1.667		80	17-106	12	20	
4-Chlorophenyl phenyl ether	1.55	0.33	mg/kg wet	1.667		93	45-121	14	20	
4-Nitrophenol	2.02	0.33	mg/kg wet	1.667		121	30-132	20	20	
Acenaphthene	1.57	0.33	mg/kg wet	1.667		94	40-123	13	20	
Acenaphthylene	1.56	0.33	mg/kg wet	1.667		94	32-132	12	20	
Anthracene	1.93	0.33	mg/kg wet	1.667		116	47-123	13	20	
Azobenzene	1.87	0.33	mg/kg wet	1.667		112	39-125	15	20	
Benzo(a)anthracene	1.99	0.33	mg/kg wet	1.667		119	49-126	13	20	
Benzo(a)pyrene	2.17	0.33	mg/kg wet	1.667		130	45-129	13	20	L2
Benzo(b)fluoranthene	2.17	0.33	mg/kg wet	1.667		130	45-132	10	20	
Benzo(g,h,i)perylene	2.04	0.33	mg/kg wet	1.667		122	43-134	11	20	
Benzo(k)fluoranthene	2.04	0.33	mg/kg wet	1.667		122	47-132	13	20	
Benzoic Acid	1.10	0.33	mg/kg wet	1.667		66	10-83	39	20	D
Benzyl alcohol	1.49	0.33	mg/kg wet	1.667		89	29-122	4	20	
bis(2-Chloroethoxy)methane	1.25	0.33	mg/kg wet	1.667		75	36-121	11	20	
Bis(2-Chloroethyl)ether	0.933	0.33	mg/kg wet	1.667		56	31-120	31	20	D
Bis(2-chloroisopropyl)ether	1.17	0.33	mg/kg wet	1.667		70	33-131	10	20	
Bis(2-Ethylhexyl)phthalate	2.07	0.33	mg/kg wet	1.667		124	51-133	14	20	
Butyl benzyl phthalate	2.17	0.33	mg/kg wet	1.667		130	48-132	12	20	
Chrysene	1.97	0.33	mg/kg wet	1.667		118	50-124	14	20	
Dibenzo(a,h)anthracene	2.01	0.33	mg/kg wet	1.667		121	45-134	11	20	
Dibenzofuran	1.63	0.33	mg/kg wet	1.667		98	44-120	16	20	
Diethyl phthalate	1.94	0.33	mg/kg wet	1.667		116	50-124	10	20	

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0361 - 3546										
LCS Dup (P5G0361-BSD1)				Prepared: 07/21/15 Analyzed: 07/22/15						
Dimethyl phthalate	1.85	0.33	mg/kg wet	1.667		111	48-124	10	20	
Di-n-butyl phthalate	2.06	0.33	mg/kg wet	1.667		124	51-128	13	20	
Di-n-octyl phthalate	2.27	0.33	mg/kg wet	1.667		136	45-140	14	20	
Fluoranthene	1.93	0.33	mg/kg wet	1.667		116	50-127	14	20	
Fluorene	1.70	0.33	mg/kg wet	1.667		102	43-125	13	20	
Hexachlorobenzene	1.84	0.33	mg/kg wet	1.667		110	45-122	16	20	
Hexachlorobutadiene	1.14	0.33	mg/kg wet	1.667		68	32-123	15	20	
Hexachlorocyclopentadiene	1.13	0.33	mg/kg wet	1.667		68	32-117	31	20	D
Hexachloroethane	0.972	0.33	mg/kg wet	1.667		58	28-117	19	20	
Indeno(1,2,3-cd)pyrene	2.00	0.33	mg/kg wet	1.667		120	45-133	10	20	
Isophorone	1.48	0.33	mg/kg wet	1.667		89	30-122	11	20	
Naphthalene	1.22	0.33	mg/kg wet	1.667		73	35-123	13	20	
Nitrobenzene	1.22	0.33	mg/kg wet	1.667		73	34-122	13	20	
N-Nitroso-di-n-propylamine	1.38	0.33	mg/kg wet	1.667		83	36-120	10	20	
N-Nitrosodiphenylamine	1.86	0.33	mg/kg wet	1.667		112	38-127	15	20	
Pentachlorophenol	2.13	0.33	mg/kg wet	1.667		128	25-133	21	20	D
Phenanthrene	1.91	0.33	mg/kg wet	1.667		115	50-121	14	20	
Phenol	1.38	0.33	mg/kg wet	1.667		82	34-121	7	20	
Pyrene	2.03	0.33	mg/kg wet	1.667		122	47-127	10	20	
Surrogate: 2,4,6-Tribromophenol	*3.88*		*mg/kg wet*	*3.333*		*116*	*39-132*			
Surrogate: 2-Fluorobiphenyl	*1.53*		*mg/kg wet*	*1.667*		*92*	*44-115*			
Surrogate: 2-Fluorophenol	*2.61*		*mg/kg wet*	*3.333*		*78*	*35-115*			
Surrogate: Nitrobenzene-d5	*1.22*		*mg/kg wet*	*1.667*		*73*	*37-122*			
Surrogate: Phenol-d5	*2.88*		*mg/kg wet*	*3.333*		*86*	*34-121*			
Surrogate: Terphenyl-d14	*1.94*		*mg/kg wet*	*1.667*		*116*	*54-127*			
Batch P5G0413 - 3510C MS										
Blank (P5G0413-BLK1)				Prepared: 07/23/15 Analyzed: 07/24/15						
1,2,4-Trichlorobenzene	BRL	10	ug/L							
1,2-Dichlorobenzene	BRL	10	ug/L							
1,3-Dichlorobenzene	BRL	10	ug/L							
1,4-Dichlorobenzene	BRL	10	ug/L							
1-Methylnaphthalene	BRL	10	ug/L							
2,4,5-Trichlorophenol	BRL	10	ug/L							
2,4,6-Trichlorophenol	BRL	10	ug/L							
2,4-Dichlorophenol	BRL	10	ug/L							
2,4-Dimethylphenol	BRL	10	ug/L							
2,4-Dinitrophenol	BRL	10	ug/L							
2,4-Dinitrotoluene	BRL	10	ug/L							
2,6-Dinitrotoluene	BRL	10	ug/L							
2-Chloronaphthalene	BRL	10	ug/L							
2-Chlorophenol	BRL	10	ug/L							
2-Methylnaphthalene	BRL	10	ug/L							
2-Methylphenol	BRL	10	ug/L							
2-Nitroaniline	BRL	10	ug/L							
2-Nitrophenol	BRL	10	ug/L							

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0413 - 3510C MS										
Blank (P5G0413-BLK1)				Prepared: 07/23/15 Analyzed: 07/24/15						
3,3'-Dichlorobenzidine	BRL	10	ug/L							
3/4-Methylphenol	BRL	10	ug/L							
3-Nitroaniline	BRL	10	ug/L							
4,6-Dinitro-2-methylphenol	BRL	10	ug/L							
4-Bromophenyl phenyl ether	BRL	10	ug/L							
4-Chloro-3-methylphenol	BRL	10	ug/L							
4-Chloroaniline	BRL	10	ug/L							
4-Chlorophenyl phenyl ether	BRL	10	ug/L							
4-Nitroaniline	BRL	10	ug/L							
4-Nitrophenol	BRL	10	ug/L							
Acenaphthene	BRL	10	ug/L							
Acenaphthylene	BRL	10	ug/L							
Aniline	BRL	10	ug/L							
Anthracene	BRL	10	ug/L							
Azobenzene	BRL	10	ug/L							
Benzo(a)anthracene	BRL	10	ug/L							
Benzo(a)pyrene	BRL	10	ug/L							
Benzo(b)fluoranthene	BRL	10	ug/L							
Benzo(g,h,i)perylene	BRL	10	ug/L							
Benzo(k)fluoranthene	BRL	10	ug/L							
Benzoic Acid	BRL	100	ug/L							
Benzyl alcohol	BRL	10	ug/L							
bis(2-Chloroethoxy)methane	BRL	10	ug/L							
Bis(2-Chloroethyl)ether	BRL	10	ug/L							
Bis(2-chloroisopropyl)ether	BRL	10	ug/L							
Bis(2-Ethylhexyl)phthalate	BRL	10	ug/L							
Butyl benzyl phthalate	BRL	10	ug/L							
Chrysene	BRL	10	ug/L							
Dibenzo(a,h)anthracene	BRL	10	ug/L							
Dibenzofuran	BRL	10	ug/L							
Diethyl phthalate	BRL	10	ug/L							
Dimethyl phthalate	BRL	10	ug/L							
Di-n-butyl phthalate	BRL	10	ug/L							
Di-n-octyl phthalate	BRL	10	ug/L							
Fluoranthene	BRL	10	ug/L							
Fluorene	BRL	10	ug/L							
Hexachlorobenzene	BRL	10	ug/L							
Hexachlorobutadiene	BRL	10	ug/L							
Hexachlorocyclopentadiene	BRL	10	ug/L							
Hexachloroethane	BRL	10	ug/L							
Indeno(1,2,3-cd)pyrene	BRL	10	ug/L							
Isophorone	BRL	10	ug/L							
Naphthalene	BRL	10	ug/L							
Nitrobenzene	BRL	10	ug/L							
N-Nitroso-di-n-propylamine	BRL	10	ug/L							
N-Nitrosodiphenylamine	BRL	10	ug/L							

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0413 - 3510C MS										
Blank (P5G0413-BLK1)				Prepared: 07/23/15 Analyzed: 07/24/15						
Pentachlorophenol	BRL	10	ug/L							
Phenanthrene	BRL	10	ug/L							
Phenol	BRL	10	ug/L							
Pyrene	BRL	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*120*		*ug/L*	*100.0*		*120*	*49-109*			
Surrogate: 2-Fluorobiphenyl	*55.3*		*ug/L*	*50.00*		*111*	*55-96*			*SR*
Surrogate: 2-Fluorophenol	*71.4*		*ug/L*	*100.0*		*71*	*27-74*			
Surrogate: Nitrobenzene-d5	*51.0*		*ug/L*	*50.00*		*102*	*53-99*			*SR*
Surrogate: Phenol-d5	*45.6*		*ug/L*	*100.0*		*46*	*11-52*			
Surrogate: Terphenyl-d14	*62.0*		*ug/L*	*50.00*		*124*	*42-133*			
LCS (P5G0413-BS1)				Prepared: 07/23/15 Analyzed: 07/24/15						
1,2,4-Trichlorobenzene	37.9	10	ug/L	50.00		76	45-103			
1,2-Dichlorobenzene	37.6	10	ug/L	50.00		75	43-100			
1,3-Dichlorobenzene	36.8	10	ug/L	50.00		74	42-98			
1,4-Dichlorobenzene	36.9	10	ug/L	50.00		74	42-100			
1-Methylnaphthalene	39.0	10	ug/L	50.00		78	45-135			
2,4,5-Trichlorophenol	47.4	10	ug/L	50.00		95	66-120			
2,4,6-Trichlorophenol	45.8	10	ug/L	50.00		92	62-121			
2,4-Dichlorophenol	40.3	10	ug/L	50.00		81	58-113			
2,4-Dimethylphenol	40.1	10	ug/L	50.00		80	42-120			
2,4-Dinitrophenol	24.6	10	ug/L	50.00		49	27-129			
2,4-Dinitrotoluene	49.9	10	ug/L	50.00		100	62-136			
2,6-Dinitrotoluene	49.5	10	ug/L	50.00		99	64-129			
2-Chloronaphthalene	51.5	10	ug/L	50.00		103	38-141			
2-Chlorophenol	37.4	10	ug/L	50.00		75	49-107			
2-Methylnaphthalene	38.5	10	ug/L	50.00		77	55-112			
2-Methylphenol	35.6	10	ug/L	50.00		71	40-106			
2-Nitroaniline	46.6	10	ug/L	50.00		93	65-122			
2-Nitrophenol	40.3	10	ug/L	50.00		81	57-115			
3,3'-Dichlorobenzidine	51.6	10	ug/L	50.00		103	58-139			
3/4-Methylphenol	33.6	10	ug/L	50.00		67	34-101			
3-Nitroaniline	47.5	10	ug/L	50.00		95	52-155			
4,6-Dinitro-2-methylphenol	35.8	10	ug/L	50.00		72	49-138			
4-Bromophenyl phenyl ether	44.1	10	ug/L	50.00		88	63-135			
4-Chloro-3-methylphenol	44.6	10	ug/L	50.00		89	33-149			
4-Chloroaniline	41.3	10	ug/L	50.00		83	44-163			
4-Chlorophenyl phenyl ether	42.1	10	ug/L	50.00		84	63-129			
4-Nitroaniline	45.5	10	ug/L	50.00		91	63-147			
4-Nitrophenol	21.4	10	ug/L	50.00		43	10-77			
Acenaphthene	45.0	10	ug/L	50.00		90	64-118			
Acenaphthylene	45.1	10	ug/L	50.00		90	65-119			
Aniline	38.7	10	ug/L	50.00		77	12-197			
Anthracene	50.1	10	ug/L	50.00		100	69-134			
Azobenzene	50.8	10	ug/L	50.00		102	56-129			
Benzo(a)anthracene	46.8	10	ug/L	50.00		94	71-125			
Benzo(a)pyrene	49.7	10	ug/L	50.00		99	67-135			

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0413 - 3510C MS										
LCS (P5G0413-BS1)				Prepared: 07/23/15 Analyzed: 07/24/15						
Benzo(b)fluoranthene	49.2	10	ug/L	50.00		98	56-145			
Benzo(g,h,i)perylene	48.8	10	ug/L	50.00		98	44-149			
Benzo(k)fluoranthene	46.5	10	ug/L	50.00		93	65-138			
Benzoic Acid	8.00	100	ug/L	50.00		16	10-125			J
Benzyl alcohol	34.2	10	ug/L	50.00		68	35-111			
bis(2-Chloroethoxy)methane	37.8	10	ug/L	50.00		76	49-126			
Bis(2-Chloroethyl)ether	31.8	10	ug/L	50.00		64	47-124			
Bis(2-chloroisopropyl)ether	39.2	10	ug/L	50.00		78	42-126			
Bis(2-Ethylhexyl)phthalate	53.0	10	ug/L	50.00		106	59-139			
Butyl benzyl phthalate	53.3	10	ug/L	50.00		107	67-133			
Chrysene	48.3	10	ug/L	50.00		97	64-124			
Dibenzo(a,h)anthracene	48.3	10	ug/L	50.00		97	49-144			
Dibenzofuran	46.7	10	ug/L	50.00		93	68-113			
Diethyl phthalate	48.7	10	ug/L	50.00		97	70-124			
Dimethyl phthalate	48.4	10	ug/L	50.00		97	71-117			
Di-n-butyl phthalate	51.2	10	ug/L	50.00		102	69-128			
Di-n-octyl phthalate	52.7	10	ug/L	50.00		105	52-150			
Fluoranthene	48.0	10	ug/L	50.00		96	66-135			
Fluorene	46.9	10	ug/L	50.00		94	67-124			
Hexachlorobenzene	49.0	10	ug/L	50.00		98	62-124			
Hexachlorobutadiene	35.2	10	ug/L	50.00		70	42-105			
Hexachlorocyclopentadiene	19.0	10	ug/L	50.00		38	32-117			
Hexachloroethane	34.8	10	ug/L	50.00		70	40-99			
Indeno(1,2,3-cd)pyrene	49.1	10	ug/L	50.00		98	40-150			
Isophorone	41.4	10	ug/L	50.00		83	54-125			
Naphthalene	37.8	10	ug/L	50.00		76	54-111			
Nitrobenzene	39.0	10	ug/L	50.00		78	51-117			
N-Nitroso-di-n-propylamine	39.6	10	ug/L	50.00		79	55-115			
N-Nitrosodiphenylamine	50.8	10	ug/L	50.00		102	70-152			
Pentachlorophenol	47.4	10	ug/L	50.00		95	23-139			
Phenanthrene	50.6	10	ug/L	50.00		101	68-128			
Phenol	19.2	10	ug/L	50.00		38	12-58			
Pyrene	51.3	10	ug/L	50.00		103	62-139			
Surrogate: 2,4,6-Tribromophenol	*103*		*ug/L*	*100.0*		*103*	*49-109*			
Surrogate: 2-Fluorobiphenyl	*47.0*		*ug/L*	*50.00*		*94*	*55-96*			
Surrogate: 2-Fluorophenol	*56.4*		*ug/L*	*100.0*		*56*	*27-74*			
Surrogate: Nitrobenzene-d5	*41.9*		*ug/L*	*50.00*		*84*	*53-99*			
Surrogate: Phenol-d5	*36.8*		*ug/L*	*100.0*		*37*	*11-52*			
Surrogate: Terphenyl-d14	*52.6*		*ug/L*	*50.00*		*105*	*42-133*			

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Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0413 - 3510C MS										
LCS Dup (P5G0413-BSD1)				Prepared: 07/23/15 Analyzed: 07/24/15						
1,2,4-Trichlorobenzene	48.0	10	ug/L	50.00		96	45-103	23	20	D
1,2-Dichlorobenzene	49.3	10	ug/L	50.00		99	43-100	27	20	D
1,3-Dichlorobenzene	47.4	10	ug/L	50.00		95	42-98	25	20	D
1,4-Dichlorobenzene	48.3	10	ug/L	50.00		97	42-100	27	20	D
1-Methylnaphthalene	47.1	10	ug/L	50.00		94	45-135	19	20	
2,4,5-Trichlorophenol	53.4	10	ug/L	50.00		107	66-120	12	20	
2,4,6-Trichlorophenol	53.0	10	ug/L	50.00		106	62-121	15	20	
2,4-Dichlorophenol	50.0	10	ug/L	50.00		100	58-113	21	20	D
2,4-Dimethylphenol	48.7	10	ug/L	50.00		97	42-120	19	20	
2,4-Dinitrophenol	33.6	10	ug/L	50.00		67	27-129	31	20	D
2,4-Dinitrotoluene	53.6	10	ug/L	50.00		107	62-136	7	20	
2,6-Dinitrotoluene	55.8	10	ug/L	50.00		112	64-129	12	20	
2-Chloronaphthalene	60.1	10	ug/L	50.00		120	38-141	16	20	
2-Chlorophenol	47.6	10	ug/L	50.00		95	49-107	24	20	D
2-Methylnaphthalene	47.2	10	ug/L	50.00		94	55-112	20	20	
2-Methylphenol	44.8	10	ug/L	50.00		90	40-106	23	20	D
2-Nitroaniline	51.7	10	ug/L	50.00		103	65-122	10	20	
2-Nitrophenol	51.4	10	ug/L	50.00		103	57-115	24	20	D
3,3'-Dichlorobenzidine	57.5	10	ug/L	50.00		115	58-139	11	20	
3/4-Methylphenol	42.4	10	ug/L	50.00		85	34-101	23	20	D
3-Nitroaniline	51.7	10	ug/L	50.00		103	52-155	8	20	
4,6-Dinitro-2-methylphenol	41.3	10	ug/L	50.00		83	49-138	14	20	
4-Bromophenyl phenyl ether	48.7	10	ug/L	50.00		97	63-135	10	20	
4-Chloro-3-methylphenol	50.4	10	ug/L	50.00		101	33-149	12	20	
4-Chloroaniline	46.2	10	ug/L	50.00		92	44-163	11	20	
4-Chlorophenyl phenyl ether	46.3	10	ug/L	50.00		93	63-129	10	20	
4-Nitroaniline	49.4	10	ug/L	50.00		99	63-147	8	20	
4-Nitrophenol	22.9	10	ug/L	50.00		46	10-77	7	20	
Acenaphthene	51.6	10	ug/L	50.00		103	64-118	14	20	
Acenaphthylene	52.2	10	ug/L	50.00		104	65-119	15	20	
Aniline	46.8	10	ug/L	50.00		94	12-197	19	20	
Anthracene	53.6	10	ug/L	50.00		107	69-134	7	20	
Azobenzene	55.2	10	ug/L	50.00		110	56-129	8	20	
Benzo(a)anthracene	51.1	10	ug/L	50.00		102	71-125	9	20	
Benzo(a)pyrene	55.5	10	ug/L	50.00		111	67-135	11	20	
Benzo(b)fluoranthene	54.0	10	ug/L	50.00		108	56-145	9	20	
Benzo(g,h,i)perylene	55.1	10	ug/L	50.00		110	44-149	12	20	
Benzo(k)fluoranthene	52.3	10	ug/L	50.00		105	65-138	12	20	
Benzoic Acid	19.0	100	ug/L	50.00		38	10-125	82	20	D, J
Benzyl alcohol	42.8	10	ug/L	50.00		86	35-111	22	20	D
bis(2-Chloroethoxy)methane	47.6	10	ug/L	50.00		95	49-126	23	20	D
Bis(2-Chloroethyl)ether	41.0	10	ug/L	50.00		82	47-124	25	20	D
Bis(2-chloroisopropyl)ether	51.3	10	ug/L	50.00		103	42-126	27	20	D
Bis(2-Ethylhexyl)phthalate	59.0	10	ug/L	50.00		118	59-139	11	20	
Butyl benzyl phthalate	60.5	10	ug/L	50.00		121	67-133	13	20	
Chrysene	51.8	10	ug/L	50.00		104	64-124	7	20	

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Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0413 - 3510C MS										
LCS Dup (P5G0413-BSD1)				Prepared: 07/23/15 Analyzed: 07/24/15						
Dibenzo(a,h)anthracene	53.7	10	ug/L	50.00		107	49-144	11	20	
Dibenzofuran	53.0	10	ug/L	50.00		106	68-113	13	20	
Diethyl phthalate	53.7	10	ug/L	50.00		107	70-124	10	20	
Dimethyl phthalate	54.0	10	ug/L	50.00		108	71-117	11	20	
Di-n-butyl phthalate	56.1	10	ug/L	50.00		112	69-128	9	20	
Di-n-octyl phthalate	59.1	10	ug/L	50.00		118	52-150	11	20	
Fluoranthene	51.3	10	ug/L	50.00		103	66-135	7	20	
Fluorene	52.6	10	ug/L	50.00		105	67-124	11	20	
Hexachlorobenzene	53.2	10	ug/L	50.00		106	62-124	8	20	
Hexachlorobutadiene	45.7	10	ug/L	50.00		91	42-105	26	20	D
Hexachlorocyclopentadiene	25.9	10	ug/L	50.00		52	32-117	31	20	D
Hexachloroethane	45.7	10	ug/L	50.00		91	40-99	27	20	D
Indeno(1,2,3-cd)pyrene	54.5	10	ug/L	50.00		109	40-150	10	20	
Isophorone	49.1	10	ug/L	50.00		98	54-125	17	20	
Naphthalene	47.2	10	ug/L	50.00		94	54-111	22	20	D
Nitrobenzene	48.8	10	ug/L	50.00		98	51-117	22	20	D
N-Nitroso-di-n-propylamine	50.0	10	ug/L	50.00		100	55-115	23	20	D
N-Nitrosodiphenylamine	55.6	10	ug/L	50.00		111	70-152	9	20	
Pentachlorophenol	52.3	10	ug/L	50.00		105	23-139	10	20	
Phenanthrene	55.1	10	ug/L	50.00		110	68-128	8	20	
Phenol	23.9	10	ug/L	50.00		48	12-58	22	20	D
Pyrene	56.3	10	ug/L	50.00		113	62-139	9	20	
Surrogate: 2,4,6-Tribromophenol	*105*		*ug/L*	*100.0*		*105*	*49-109*			
Surrogate: 2-Fluorobiphenyl	*52.5*		*ug/L*	*50.00*		*105*	*55-96*			*SR*
Surrogate: 2-Fluorophenol	*67.1*		*ug/L*	*100.0*		*67*	*27-74*			
Surrogate: Nitrobenzene-d5	*47.7*		*ug/L*	*50.00*		*95*	*53-99*			
Surrogate: Phenol-d5	*41.9*		*ug/L*	*100.0*		*42*	*11-52*			
Surrogate: Terphenyl-d14	*53.2*		*ug/L*	*50.00*		*106*	*42-133*			

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

General Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0377 - Solids, Dry Weight										
Blank (P5G0377-BLK1)				Prepared & Analyzed: 07/21/15						
% Solids	100	0.100	% by Weight							

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Sample Extraction Data

Prep Method: Solids, Dry Weight

Lab Number	Batch	Initial	Final	Date/Time
5070367-01	P5G0377	30 g	30 g	07/21/15 13:17
5070367-02	P5G0377	30 g	30 g	07/21/15 13:17
5070367-03	P5G0377	30 g	30 g	07/21/15 13:17
5070367-04	P5G0377	30 g	30 g	07/21/15 13:17
5070367-05	P5G0377	30 g	30 g	07/21/15 13:17
5070367-06	P5G0377	30 g	30 g	07/21/15 13:17
5070367-07	P5G0377	30 g	30 g	07/21/15 13:17
5070367-08	P5G0377	30 g	30 g	07/21/15 13:17
5070367-09	P5G0377	30 g	30 g	07/21/15 13:17
5070367-10	P5G0377	30 g	30 g	07/21/15 13:17
5070367-11	P5G0377	30 g	30 g	07/21/15 13:17
5070367-12	P5G0377	30 g	30 g	07/21/15 13:17
5070367-13	P5G0377	30 g	30 g	07/21/15 13:17

Prep Method: 3510C MS

Lab Number	Batch	Initial	Final	Date/Time
5070367-16	P5G0413	1000 mL	1 mL	07/23/15 12:00
5070367-17	P5G0413	1000 mL	1 mL	07/23/15 12:00

Prep Method: 3546

Lab Number	Batch	Initial	Final	Date/Time
5070367-03	P5G0361	30 g	1 mL	07/21/15 9:30
5070367-04	P5G0361	30 g	1 mL	07/21/15 9:30
5070367-05	P5G0361	30.02 g	1 mL	07/21/15 9:30
5070367-07	P5G0361	30 g	1 mL	07/21/15 9:30
5070367-08	P5G0361	30.01 g	1 mL	07/21/15 9:30

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
5070367-14	P5G0455	10 mL	10 mL	07/24/15 10:31
5070367-15	P5G0455	10 mL	10 mL	07/24/15 10:31
5070367-15	P5G0455	10 mL	10 mL	07/24/15 10:31
5070367-16	P5G0455	10 mL	10 mL	07/24/15 10:31
5070367-16	P5G0455	10 mL	10 mL	07/24/15 10:31
5070367-17	P5G0455	10 mL	10 mL	07/24/15 10:31

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date/Time
5070367-01	P5G0498	8.4 g	5 mL	07/27/15 14:12
5070367-02	P5G0498	9.02 g	5 mL	07/27/15 14:12
5070367-03	P5G0461	8.05 g	5 mL	07/24/15 12:33
5070367-04	P5G0461	9.64 g	5 mL	07/24/15 12:33
5070367-05	P5G0461	8.51 g	5 mL	07/24/15 12:33
5070367-06	P5G0461	7.64 g	5 mL	07/24/15 12:33
5070367-07	P5G0498	5.83 g	5 mL	07/27/15 14:12
5070367-08	P5G0498	7.93 g	5 mL	07/27/15 14:12
5070367-09	P5G0498	6.08 g	5 mL	07/27/15 14:12
5070367-10	P5G0498	6.57 g	5 mL	07/27/15 14:12
5070367-11	P5G0498	6.23 g	5 mL	07/27/15 14:12
5070367-12	P5G0498	6.53 g	5 mL	07/27/15 14:12
5070367-13	P5G0498	6.45 g	5 mL	07/27/15 14:12

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PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions
449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING:

Client Company Name: Mid-Atlantic Assoc.
Report To/Contact Name: Eric Aufderhaar
Reporting Address: 409 Roger View Dr. Raleigh, N.C. 27610
Phone: 919/250-9916 Fax (Yes) (No): 919/250-9950
Email Address:
EDD Type: PDF ___ Excel ___ Other ___
Site Location Name:
Site Location Physical Address: 3900 Electronics Dr. Raleigh, N.C.

Project Name: AVX
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (NO)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To:
Address: SAME
Purchase Order No./Billing Reference 2678.00
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?	✓		
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: TRC-10 Observed: 4.0 °C / Corr: 2.8 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC ___ DoD ___ FL ___ NC ___ SC ___ OTHER ___ N/A ___
Water Chlorinated: YES ___ NO ___
Sample Iced Upon Collection: YES ___ NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED VOC 8260B	SVOC 8270D						REMARKS	PRISM LAB ID NO.
SB-1 (6'-8')	7/14/15	1600	SOIL													01
SB-2 (8'-10')	7/16/15	1430														02
SB-3 (2'-3')	7/16/15	1550														03
SB-4 (8'-10')	7/15/15	1215														04
SB-5 (1'-3')	7/15/15	0920														05
SB-6 (4'-5')	7/14/15	1650														06
SB-7 (3'-4')	7/17/15	0815														07
SB-8 (1'-3')	7/15/15	1025														08
SB-9 (1'-3')	7/15/15	0950														09
SB-10 6'-8'	7/17/15	1030														10

Sampler's Signature [signature] Sampled By (Print Name) Gary A. Fiske Affiliation MAA

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Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
[signature]	[signature]	7/17/15	15:47
Relinquished By: (Signature)	Received By: (Signature)	7/18/15	12:15
Relinquished By: (Signature)	Received For Prism Laboratories By: [signature]	7-20-15	0834

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Prism Field Service ☒ Other BEAUFAX

COC Group No. 5070367

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

CHAIN OF CUSTODY RECORD

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Full-Service Analytical & Environmental Solutions
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PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING:

Client Company Name: Mid-Atlantic Assoc
Report To/Contact Name: Eric Aufderhaar
Reporting Address: 409 Rogers View Dr Raleigh, N.C. 27610
Phone: (919) 250-9910 Fax (Yes) (No): (919) 250-9950
Email Address:
EDD Type: PDF____ Excel____ Other____
Site Location Name:
Site Location Physical Address: 3900 Electronics Dr. Raleigh, NC

Project Name: HX
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (NO)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To:
Address: SAME
Purchase Order No./Billing Reference 126-78,00
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	X		
Received ON WET ICE?	X		
PROPER PRESERVATIVES indicated?	X		
Received WITHIN HOLDING TIMES?	X		
CUSTODY SEALS INTACT?	X		
VOLATILES rec'd W/OUT HEADSPACE?	X		
PROPER CONTAINERS used?	X		

TEMP: Therm ID: IRT-10 Observed: 4.0 °C / Corr: 2.8 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC____ DoD____ FL____ NC____ SC____ OTHER____ N/A____
Water Chlorinated: YES___ NO___
Sample Iced Upon Collection: YES___ NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED 8260B	8270D					REMARKS	PRISM LAB ID NO.
SB-11 (6'-8')	7/17/15	0915	Soil												11
SB-12 (14'-15')		1100													12
SB-13 (8'-10')		0850													13
MW-14A		0715	H2O												14
MW-14B		0645													15
MW-15A		1230													16
MW-16A		1215													17

Sampler's Signature [signature] Sampled By (Print Name) Gary A Fisch Affiliation MAL

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Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
[signature]	[signature]	7/17/15	15:47
Relinquished By: (Signature)	Received By: (Signature)	Date	
	[signature]	7/18/15	12:15
Relinquished By: (Signature)	Received For Prism Laboratories By:	Date	
[signature]	[signature]	7-20-15	0830

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Prism Field Service ☒ Other Beaver 2 - Coolers
COC Group No. 5070367

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ ____	☐ ____	☐ ____	☐ ____	☐ ____	☐ ____	☐ ____	☐ ____	☐ ____

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert No. 37735
VA Certification No. 460211
DoD ELAP: L-A-B Accredited Certificate No. L2307
ISO/IEC 17025: L-A-B Accredited Certificate No. L2307

Case Narrative

07/31/2015

Mid-Atlantic Associates, Inc. - Raleigh
Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Lab Submittal Date: 07/22/2015
Prism Work Order: 5070438

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

Angela D. Overcash
VP Laboratory Services

Reviewed By Terri W. Cole For Angela D. Overcash
Project Manager

Data Qualifiers Key Reference:

MI	Matrix spike outside of the control limits. Matrix interference suspected.
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

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Sample Receipt Summary

07/31/2015

Prism Work Order: 5070438

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
BGM 1	5070438-01	Solid	07/21/15	07/22/15
SSM 1	5070438-02	Solid	07/21/15	07/22/15
SSM-2	5070438-03	Solid	07/21/15	07/22/15
SSM-3	5070438-04	Solid	07/21/15	07/22/15
SSM-4	5070438-05	Solid	07/21/15	07/22/15
SSM-5	5070438-06	Solid	07/21/15	07/22/15
SSM-6	5070438-07	Solid	07/21/15	07/22/15
SSM-7	5070438-08	Solid	07/21/15	07/22/15
SSM-8	5070438-09	Solid	07/21/15	07/22/15
SSM-9	5070438-10	Solid	07/21/15	07/22/15
BGM-2	5070438-11	Solid	07/21/15	07/22/15
BGM-3	5070438-12	Solid	07/21/15	07/22/15

Samples were received in good condition at 1.8 degrees C unless otherwise noted.

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Summary of Detections

07/31/2015

Prism Work Order: 5070438

Prism ID	Client ID	Parameter	Method	Result	Units
5070438-01	BGM 1	Barium	*6010C	30	mg/kg dry
5070438-01	BGM 1	Lead	*6010C	16	mg/kg dry
5070438-01	BGM 1	Nickel	*6010C	3.4	mg/kg dry
5070438-01	BGM 1	Zinc	*6010C	28	mg/kg dry
5070438-02	SSM 1	Barium	*6010C	130	mg/kg dry
5070438-02	SSM 1	Lead	*6010C	180	mg/kg dry
5070438-02	SSM 1	Nickel	*6010C	9.0	mg/kg dry
5070438-02	SSM 1	Silver	*6010C	9.9	mg/kg dry
5070438-02	SSM 1	Zinc	*6010C	170	mg/kg dry
5070438-03	SSM-2	Barium	*6010C	290	mg/kg dry
5070438-03	SSM-2	Lead	*6010C	190	mg/kg dry
5070438-03	SSM-2	Nickel	*6010C	12	mg/kg dry
5070438-03	SSM-2	Silver	*6010C	9.6	mg/kg dry
5070438-03	SSM-2	Zinc	*6010C	97	mg/kg dry
5070438-04	SSM-3	Barium	*6010C	120	mg/kg dry
5070438-04	SSM-3	Lead	*6010C	63	mg/kg dry
5070438-04	SSM-3	Nickel	*6010C	11	mg/kg dry
5070438-04	SSM-3	Silver	*6010C	4.3	mg/kg dry
5070438-04	SSM-3	Zinc	*6010C	81	mg/kg dry
5070438-05	SSM-4	Barium	*6010C	27	mg/kg dry
5070438-05	SSM-4	Lead	*6010C	8.7	mg/kg dry
5070438-05	SSM-4	Nickel	*6010C	3.7	mg/kg dry
5070438-05	SSM-4	Zinc	*6010C	26	mg/kg dry
5070438-06	SSM-5	Barium	*6010C	39	mg/kg dry
5070438-06	SSM-5	Lead	*6010C	20	mg/kg dry
5070438-06	SSM-5	Nickel	*6010C	11	mg/kg dry
5070438-06	SSM-5	Zinc	*6010C	56	mg/kg dry
5070438-07	SSM-6	Barium	*6010C	4300	mg/kg dry
5070438-07	SSM-6	Lead	*6010C	100	mg/kg dry
5070438-07	SSM-6	Nickel	*6010C	14	mg/kg dry
5070438-07	SSM-6	Silver	*6010C	11	mg/kg dry
5070438-07	SSM-6	Zinc	*6010C	74	mg/kg dry
5070438-08	SSM-7	Barium	*6010C	250	mg/kg dry
5070438-08	SSM-7	Lead	*6010C	7.1	mg/kg dry
5070438-08	SSM-7	Nickel	*6010C	19	mg/kg dry
5070438-08	SSM-7	Zinc	*6010C	83	mg/kg dry
5070438-09	SSM-8	Barium	*6010C	43	mg/kg dry
5070438-09	SSM-8	Lead	*6010C	30	mg/kg dry
5070438-09	SSM-8	Nickel	*6010C	8.6	mg/kg dry
5070438-09	SSM-8	Silver	*6010C	0.65	mg/kg dry
5070438-09	SSM-8	Zinc	*6010C	38	mg/kg dry
5070438-10	SSM-9	Barium	*6010C	38	mg/kg dry
5070438-10	SSM-9	Lead	*6010C	130	mg/kg dry
5070438-10	SSM-9	Nickel	*6010C	6.1	mg/kg dry

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Summary of Detections

07/31/2015

Prism Work Order: 5070438

Prism ID	Client ID	Parameter	Method	Result	Units
5070438-10	SSM-9	Silver	*6010C	2.4	mg/kg dry
5070438-10	SSM-9	Zinc	*6010C	80	mg/kg dry
5070438-11	BGM-2	Barium	*6010C	42	mg/kg dry
5070438-11	BGM-2	Lead	*6010C	12	mg/kg dry
5070438-11	BGM-2	Nickel	*6010C	9.5	mg/kg dry
5070438-11	BGM-2	Zinc	*6010C	39	mg/kg dry
5070438-12	BGM-3	Barium	*6010C	79	mg/kg dry
5070438-12	BGM-3	Lead	*6010C	29	mg/kg dry
5070438-12	BGM-3	Nickel	*6010C	14	mg/kg dry
5070438-12	BGM-3	Zinc	*6010C	42	mg/kg dry

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PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

Laboratory Report

07/31/2015

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: BGM 1
Prism Sample ID: 5070438-01
Prism Work Order: 5070438
Time Collected: 07/21/15 08:15
Time Submitted: 07/22/15 10:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**89.7**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/22/15 17:37**	**ARC**	**P5G0411**
Total Metals									
Barium	**30**	**mg/kg dry**	**0.55**	**0.11**	**1**	***6010C**	**7/24/15 0:17**	**MWW**	**P5G0419**
Lead	**16**	**mg/kg dry**	**0.28**	**0.042**	**1**	***6010C**	**7/24/15 0:17**	**MWW**	**P5G0419**
Nickel	**3.4**	**mg/kg dry**	**1.1**	**0.14**	**1**	***6010C**	**7/24/15 0:17**	**MWW**	**P5G0419**
Silver	BRL	mg/kg dry	0.28	0.032	1	*6010C	7/24/15 0:17	MWW	P5G0419
Tin	BRL	mg/kg dry	5.5	0.037	1	*6010C	7/24/15 0:17	MWW	P5G0419
Zinc	**28**	**mg/kg dry**	**2.8**	**0.61**	**1**	***6010C**	**7/24/15 0:17**	**MWW**	**P5G0419**

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PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

Laboratory Report

07/31/2015

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SSM 1
Prism Sample ID: 5070438-02
Prism Work Order: 5070438
Time Collected: 07/21/15 08:50
Time Submitted: 07/22/15 10:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**86.5**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/22/15 17:37**	**ARC**	**P5G0411**
Total Metals									
Barium	**130**	**mg/kg dry**	**0.57**	**0.11**	**1**	***6010C**	**7/24/15 0:42**	**MWW**	**P5G0419**
Lead	**180**	**mg/kg dry**	**0.28**	**0.043**	**1**	***6010C**	**7/24/15 0:42**	**MWW**	**P5G0419**
Nickel	**9.0**	**mg/kg dry**	**1.1**	**0.15**	**1**	***6010C**	**7/24/15 0:42**	**MWW**	**P5G0419**
Silver	**9.9**	**mg/kg dry**	**0.28**	**0.032**	**1**	***6010C**	**7/24/15 0:42**	**MWW**	**P5G0419**
Tin	BRL	mg/kg dry	5.7	0.038	1	*6010C	7/24/15 0:42	MWW	P5G0419
Zinc	**170**	**mg/kg dry**	**2.8**	**0.63**	**1**	***6010C**	**7/24/15 0:42**	**MWW**	**P5G0419**

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SSM-2
Prism Sample ID: 5070438-03
Prism Work Order: 5070438
Time Collected: 07/21/15 09:02
Time Submitted: 07/22/15 10:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**91.7**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/22/15 17:37**	**ARC**	**P5G0411**
Total Metals									
Barium	**290**	**mg/kg dry**	**0.54**	**0.10**	**1**	***6010C**	**7/24/15 0:51**	**MWW**	**P5G0419**
Lead	**190**	**mg/kg dry**	**0.27**	**0.041**	**1**	***6010C**	**7/24/15 0:51**	**MWW**	**P5G0419**
Nickel	**12**	**mg/kg dry**	**1.1**	**0.14**	**1**	***6010C**	**7/24/15 0:51**	**MWW**	**P5G0419**
Silver	**9.6**	**mg/kg dry**	**0.27**	**0.031**	**1**	***6010C**	**7/24/15 0:51**	**MWW**	**P5G0419**
Tin	BRL	mg/kg dry	5.4	0.036	1	*6010C	7/24/15 0:51	MWW	P5G0419
Zinc	**97**	**mg/kg dry**	**2.7**	**0.60**	**1**	***6010C**	**7/24/15 0:51**	**MWW**	**P5G0419**

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SSM-3
Prism Sample ID: 5070438-04
Prism Work Order: 5070438
Time Collected: 07/21/15 09:21
Time Submitted: 07/22/15 10:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**96.3**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/22/15 17:37**	**ARC**	**P5G0411**
Total Metals									
Barium	**120**	**mg/kg dry**	**0.52**	**0.10**	**1**	***6010C**	**7/24/15 0:59**	**MWW**	**P5G0419**
Lead	**63**	**mg/kg dry**	**0.26**	**0.039**	**1**	***6010C**	**7/24/15 0:59**	**MWW**	**P5G0419**
Nickel	**11**	**mg/kg dry**	**1.0**	**0.13**	**1**	***6010C**	**7/24/15 0:59**	**MWW**	**P5G0419**
Silver	**4.3**	**mg/kg dry**	**0.26**	**0.030**	**1**	***6010C**	**7/24/15 0:59**	**MWW**	**P5G0419**
Tin	BRL	mg/kg dry	5.2	0.035	1	*6010C	7/24/15 0:59	MWW	P5G0419
Zinc	**81**	**mg/kg dry**	**2.6**	**0.57**	**1**	***6010C**	**7/24/15 0:59**	**MWW**	**P5G0419**

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SSM-4
Prism Sample ID: 5070438-05
Prism Work Order: 5070438
Time Collected: 07/21/15 09:30
Time Submitted: 07/22/15 10:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**92.4**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/22/15 17:37**	**ARC**	**P5G0411**
Total Metals									
Barium	**27**	**mg/kg dry**	**0.54**	**0.10**	**1**	***6010C**	**7/24/15 1:08**	**MWW**	**P5G0419**
Lead	**8.7**	**mg/kg dry**	**0.27**	**0.041**	**1**	***6010C**	**7/24/15 1:08**	**MWW**	**P5G0419**
Nickel	**3.7**	**mg/kg dry**	**1.1**	**0.14**	**1**	***6010C**	**7/24/15 1:08**	**MWW**	**P5G0419**
Silver	BRL	mg/kg dry	0.27	0.031	1	*6010C	7/24/15 1:08	MWW	P5G0419
Tin	BRL	mg/kg dry	5.4	0.037	1	*6010C	7/24/15 1:08	MWW	P5G0419
Zinc	**26**	**mg/kg dry**	**2.7**	**0.60**	**1**	***6010C**	**7/24/15 1:08**	**MWW**	**P5G0419**

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SSM-5
Prism Sample ID: 5070438-06
Prism Work Order: 5070438
Time Collected: 07/21/15 09:45
Time Submitted: 07/22/15 10:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**70.9**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/22/15 17:37**	**ARC**	**P5G0411**
Total Metals									
Barium	**39**	**mg/kg dry**	**0.69**	**0.13**	**1**	***6010C**	**7/24/15 1:28**	**MWW**	**P5G0419**
Lead	**20**	**mg/kg dry**	**0.35**	**0.053**	**1**	***6010C**	**7/24/15 1:28**	**MWW**	**P5G0419**
Nickel	**11**	**mg/kg dry**	**1.4**	**0.18**	**1**	***6010C**	**7/24/15 1:28**	**MWW**	**P5G0419**
Silver	BRL	mg/kg dry	0.35	0.040	1	*6010C	7/24/15 1:28	MWW	P5G0419
Tin	BRL	mg/kg dry	6.9	0.047	1	*6010C	7/24/15 1:28	MWW	P5G0419
Zinc	**56**	**mg/kg dry**	**3.5**	**0.77**	**1**	***6010C**	**7/24/15 1:28**	**MWW**	**P5G0419**

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SSM-6
Prism Sample ID: 5070438-07
Prism Work Order: 5070438
Time Collected: 07/21/15 09:57
Time Submitted: 07/22/15 10:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**84.2**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/22/15 17:37**	**ARC**	**P5G0411**
Total Metals									
Barium	**4300**	**mg/kg dry**	**6.0**	**1.2**	**10**	***6010C**	**7/31/15 2:02**	**BGM**	**P5G0419**
Lead	**100**	**mg/kg dry**	**0.30**	**0.045**	**1**	***6010C**	**7/24/15 1:36**	**MWW**	**P5G0419**
Nickel	**14**	**mg/kg dry**	**1.2**	**0.15**	**1**	***6010C**	**7/24/15 1:36**	**MWW**	**P5G0419**
Silver	**11**	**mg/kg dry**	**0.30**	**0.034**	**1**	***6010C**	**7/24/15 1:36**	**MWW**	**P5G0419**
Tin	BRL	mg/kg dry	6.0	0.040	1	*6010C	7/24/15 1:36	MWW	P5G0419
Zinc	**74**	**mg/kg dry**	**3.0**	**0.66**	**1**	***6010C**	**7/24/15 1:36**	**MWW**	**P5G0419**

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SSM-7
Prism Sample ID: 5070438-08
Prism Work Order: 5070438
Time Collected: 07/21/15 10:09
Time Submitted: 07/22/15 10:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**89.8**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/22/15 17:37**	**ARC**	**P5G0411**
Total Metals									
Barium	**250**	**mg/kg dry**	**0.56**	**0.11**	**1**	***6010C**	**7/24/15 1:45**	**MWW**	**P5G0419**
Lead	**7.1**	**mg/kg dry**	**0.28**	**0.043**	**1**	***6010C**	**7/24/15 1:45**	**MWW**	**P5G0419**
Nickel	**19**	**mg/kg dry**	**1.1**	**0.15**	**1**	***6010C**	**7/24/15 1:45**	**MWW**	**P5G0419**
Silver	BRL	mg/kg dry	0.28	0.032	1	*6010C	7/24/15 1:45	MWW	P5G0419
Tin	BRL	mg/kg dry	5.6	0.038	1	*6010C	7/24/15 1:45	MWW	P5G0419
Zinc	**83**	**mg/kg dry**	**2.8**	**0.62**	**1**	***6010C**	**7/24/15 1:45**	**MWW**	**P5G0419**

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SSM-8
Prism Sample ID: 5070438-09
Prism Work Order: 5070438
Time Collected: 07/21/15 10:19
Time Submitted: 07/22/15 10:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**93.6**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/22/15 17:37**	**ARC**	**P5G0411**
Total Metals									
Barium	**43**	**mg/kg dry**	**0.55**	**0.10**	**1**	***6010C**	**7/24/15 1:53**	**MWW**	**P5G0419**
Lead	**30**	**mg/kg dry**	**0.27**	**0.041**	**1**	***6010C**	**7/24/15 1:53**	**MWW**	**P5G0419**
Nickel	**8.6**	**mg/kg dry**	**1.1**	**0.14**	**1**	***6010C**	**7/24/15 1:53**	**MWW**	**P5G0419**
Silver	**0.65**	**mg/kg dry**	**0.27**	**0.031**	**1**	***6010C**	**7/24/15 1:53**	**MWW**	**P5G0419**
Tin	BRL	mg/kg dry	5.5	0.037	1	*6010C	7/24/15 1:53	MWW	P5G0419
Zinc	**38**	**mg/kg dry**	**2.7**	**0.60**	**1**	***6010C**	**7/24/15 1:53**	**MWW**	**P5G0419**

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SSM-9
Prism Sample ID: 5070438-10
Prism Work Order: 5070438
Time Collected: 07/21/15 10:34
Time Submitted: 07/22/15 10:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**86.9**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/22/15 17:37**	**ARC**	**P5G0411**
Total Metals									
Barium	**38**	**mg/kg dry**	**0.57**	**0.11**	**1**	***6010C**	**7/24/15 2:01**	**MWW**	**P5G0419**
Lead	**130**	**mg/kg dry**	**0.28**	**0.043**	**1**	***6010C**	**7/24/15 2:01**	**MWW**	**P5G0419**
Nickel	**6.1**	**mg/kg dry**	**1.1**	**0.15**	**1**	***6010C**	**7/24/15 2:01**	**MWW**	**P5G0419**
Silver	**2.4**	**mg/kg dry**	**0.28**	**0.033**	**1**	***6010C**	**7/24/15 2:01**	**MWW**	**P5G0419**
Tin	BRL	mg/kg dry	5.7	0.038	1	*6010C	7/24/15 2:01	MWW	P5G0419
Zinc	**80**	**mg/kg dry**	**2.8**	**0.63**	**1**	***6010C**	**7/24/15 2:01**	**MWW**	**P5G0419**

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: BGM-2
Prism Sample ID: 5070438-11
Prism Work Order: 5070438
Time Collected: 07/21/15 11:37
Time Submitted: 07/22/15 10:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**63.4**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/22/15 17:37**	**ARC**	**P5G0411**
Total Metals									
Barium	**42**	**mg/kg dry**	**0.79**	**0.15**	**1**	***6010C**	**7/24/15 2:11**	**MWW**	**P5G0419**
Lead	**12**	**mg/kg dry**	**0.40**	**0.060**	**1**	***6010C**	**7/24/15 2:11**	**MWW**	**P5G0419**
Nickel	**9.5**	**mg/kg dry**	**1.6**	**0.20**	**1**	***6010C**	**7/24/15 2:11**	**MWW**	**P5G0419**
Silver	BRL	mg/kg dry	0.40	0.045	1	*6010C	7/24/15 2:11	MWW	P5G0419
Tin	BRL	mg/kg dry	7.9	0.053	1	*6010C	7/24/15 2:11	MWW	P5G0419
Zinc	**39**	**mg/kg dry**	**4.0**	**0.87**	**1**	***6010C**	**7/31/15 2:11**	**BGM**	**P5G0419**

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: BGM-3
Prism Sample ID: 5070438-12
Prism Work Order: 5070438
Time Collected: 07/21/15 11:47
Time Submitted: 07/22/15 10:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**74.1**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/22/15 17:37**	**ARC**	**P5G0411**
Total Metals									
Barium	**79**	**mg/kg dry**	**0.67**	**0.13**	**1**	***6010C**	**7/24/15 2:31**	**MWW**	**P5G0419**
Lead	**29**	**mg/kg dry**	**0.33**	**0.051**	**1**	***6010C**	**7/24/15 2:31**	**MWW**	**P5G0419**
Nickel	**14**	**mg/kg dry**	**1.3**	**0.17**	**1**	***6010C**	**7/24/15 2:31**	**MWW**	**P5G0419**
Silver	BRL	mg/kg dry	0.33	0.038	1	*6010C	7/24/15 2:31	MWW	P5G0419
Tin	BRL	mg/kg dry	6.7	0.045	1	*6010C	7/24/15 2:31	MWW	P5G0419
Zinc	**42**	**mg/kg dry**	**3.3**	**0.74**	**1**	***6010C**	**7/24/15 2:31**	**MWW**	**P5G0419**

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070438
Time Submitted: 7/22/2015 10:40:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0419 - 3050B										
Blank (P5G0419-BLK1)				Prepared: 07/23/15		Analyzed: 07/24/15				
Barium	BRL	0.50	mg/kg wet							
Lead	BRL	0.25	mg/kg wet							
Nickel	BRL	1.0	mg/kg wet							
Silver	BRL	0.25	mg/kg wet							
Tin	BRL	5.0	mg/kg wet							
Zinc	BRL	2.5	mg/kg wet							
LCS (P5G0419-BS1)				Prepared: 07/23/15		Analyzed: 07/24/15				
Barium	24.0	0.50	mg/kg wet	25.00		96	80-120			
Lead	23.1	0.25	mg/kg wet	25.00		92	80-120			
Nickel	23.1	1.0	mg/kg wet	25.00		93	80-120			
Silver	9.12	0.25	mg/kg wet	10.00		91	80-120			
Tin	24.2	5.0	mg/kg wet	25.00		97	80-120			
Zinc	23.4	2.5	mg/kg wet	25.00		94	80-120			
Matrix Spike (P5G0419-MS1)		**Source: 5070438-01**		Prepared: 07/23/15		Analyzed: 07/24/15				
Barium	58.7	0.55	mg/kg dry	27.60	30.3	103	75-125			
Lead	37.5	0.28	mg/kg dry	27.60	16.0	78	75-125			
Nickel	26.3	1.1	mg/kg dry	27.60	3.38	83	75-125			
Silver	9.05	0.28	mg/kg dry	11.04	BRL	82	75-125			
Tin	7.39	5.5	mg/kg dry	27.60	BRL	27	75-125			
Zinc	54.0	2.8	mg/kg dry	27.60	27.8	95	75-125			
Matrix Spike Dup (P5G0419-MSD1)		**Source: 5070438-01**		Prepared: 07/23/15		Analyzed: 07/24/15				
Barium	57.1	0.55	mg/kg dry	27.60	30.3	97	75-125	3	20	
Lead	37.0	0.28	mg/kg dry	27.60	16.0	76	75-125	1	20	
Nickel	27.1	1.1	mg/kg dry	27.60	3.38	86	75-125	3	20	
Silver	9.08	0.28	mg/kg dry	11.04	BRL	82	75-125	0.3	20	
Tin	7.38	5.5	mg/kg dry	27.60	BRL	27	75-125	0.1	20	
Zinc	55.7	2.8	mg/kg dry	27.60	27.8	101	75-125	3	20	

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070438
Time Submitted: 7/22/2015 10:40:00AM

Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0419 - 3050B										
Post Spike (P5G0419-PS1)		**Source: 5070438-01**		Prepared: 07/23/15	Analyzed: 07/24/15					
Barium	1.94		mg/L	1.000	1.09	86	80-120			
Lead	1.42		mg/L	1.000	0.572	85	80-120			
Nickel	0.986		mg/L	1.000	0.121	86	80-120			
Silver	0.352		mg/L	0.4000	-0.0129	88	80-120			
Tin	0.905		mg/L	1.000	-0.0104	90	80-120			
Zinc	1.87		mg/L	1.000	0.996	87	80-120			

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070438
Time Submitted: 7/22/2015 10:40:00AM

General Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0411 - Solids, Dry Weight										
Blank (P5G0411-BLK1)				Prepared & Analyzed: 07/22/15						
% Solids	100	0.100	% by Weight							

Sample Extraction Data

Prep Method: Solids, Dry Weight

Lab Number	Batch	Initial	Final	Date/Time
5070438-01	P5G0411	30 g	30 g	07/22/15 17:37
5070438-02	P5G0411	30 g	30 g	07/22/15 17:37
5070438-03	P5G0411	30 g	30 g	07/22/15 17:37
5070438-04	P5G0411	30 g	30 g	07/22/15 17:37
5070438-05	P5G0411	30 g	30 g	07/22/15 17:37
5070438-06	P5G0411	30 g	30 g	07/22/15 17:37
5070438-07	P5G0411	30 g	30 g	07/22/15 17:37
5070438-08	P5G0411	30 g	30 g	07/22/15 17:37
5070438-09	P5G0411	30 g	30 g	07/22/15 17:37
5070438-10	P5G0411	30 g	30 g	07/22/15 17:37
5070438-11	P5G0411	30 g	30 g	07/22/15 17:37
5070438-12	P5G0411	30 g	30 g	07/22/15 17:37

Prep Method: 3050B

Lab Number	Batch	Initial	Final	Date/Time
5070438-01	P5G0419	2.01 g	50 mL	07/23/15 9:25
5070438-02	P5G0419	2.04 g	50 mL	07/23/15 9:25
5070438-03	P5G0419	2.01 g	50 mL	07/23/15 9:25
5070438-04	P5G0419	2 g	50 mL	07/23/15 9:25
5070438-05	P5G0419	1.99 g	50 mL	07/23/15 9:25
5070438-06	P5G0419	2.03 g	50 mL	07/23/15 9:25
5070438-07	P5G0419	1.98 g	50 mL	07/23/15 9:25
5070438-07	P5G0419	1.98 g	50 mL	07/23/15 9:25
5070438-08	P5G0419	1.98 g	50 mL	07/23/15 9:25
5070438-09	P5G0419	1.96 g	50 mL	07/23/15 9:25
5070438-10	P5G0419	2.02 g	50 mL	07/23/15 9:25
5070438-11	P5G0419	1.99 g	50 mL	07/23/15 9:25
5070438-11	P5G0419	1.99 g	50 mL	07/23/15 9:25
5070438-12	P5G0419	2.02 g	50 mL	07/23/15 9:25

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PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions
449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: AVX
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (NO)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: _____
Address: _____

Client Company Name: MAA
Report To/Contact Name: Eric Aufderhaar
Reporting Address: 409 Rogers View Ct Raleigh NC 27610
Phone: (919) 250-9918 Fax (Yes) (No): _____
Email Address: Eaufderhaar@maaonline.com
EDD Type: PDF X Excel X Other _____
Site Location Name: AVX
Site Location Physical Address: 3900 Electronics Dr.

Purchase Order No./Billing Reference R 2678
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?			✓
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: Intro Observed: 3.0 °C / Corr: 1.8 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC____ DoD____ FL____ NC X
SC____ OTHER_____ N/A_____
Water Chlorinated: YES___ NO___
Sample Iced Upon Collection: YES X NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	Lead	Zinc	Tin	Silver	Nickel	Barium	REMARKS	PRISM LAB ID NO.
BGM 1	7/21/15	08:15	Soil	G		4oz									01
SSM 1		08:50													02
SSM-2		09:02													03
SSM-3		09:21													04
SSM-4		09:30													05
SSM-5		09:45													06
SSM-6		09:57													07
SSM-7		10:09													08
SSM-8		10:19													09
SSM-9		10:34													10

Sampler's Signature GLH Sampled By (Print Name) Gregory Hutchins Affiliation MAA

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

		Date	Military/Hours
Relinquished By: (Signature) GLH	Received By: (Signature)	7/21/15	1555
Relinquished By: (Signature)	Received By: (Signature)	7/22/15	0950
Relinquished By: (Signature)	Received For Prism Laboratories By:	7/22/15	1040

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Prism Field Service ☒ Other Beavex 1 coolers
COC Group No. 5070438

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____

SEE REVERSE FOR TERMS & CONDITIONS

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions
449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 2 OF 2 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: AVX

Short Hold Analysis: (Yes) (No) UST Project: (Yes) (NO)

*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements

Invoice To: _____

Address: _____

Client Company Name: MAA

Report To/Contact Name: _____

Reporting Address: _____

Phone: _____ Fax (Yes) (No): _____

Email Address: _____

EDD Type: PDF____ Excel____ Other_____

Site Location Name: _____

Site Location Physical Address: _____

Purchase Order No./Billing Reference R2678

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days

"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved

Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?			✓
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: Latco Observed: 3.0 °C / Corr: 1.8 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC____ DoD____ FL____ NC X
SC____ OTHER_____ N/A_____

Water Chlorinated: YES___ NO___

Sample Iced Upon Collection: YES X NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	Lead	Zinc	Tin	Silver	Nickel	Barium	REMARKS	PRISM LAB ID NO.
BGM-2	7/21/15	11:37	Soil	G		4oz		↓	↓	↓	↓	↓	↓		11
BGM-3	7/21/15	11:47	↓	↓		↓		↓	↓	↓	↓	↓	↓		12

Sampler's Signature GKH Sampled By (Print Name) Gregory Hutchins Affiliation MAA

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

		Date	Military/Hours
Relinquished By: (Signature)	Received By: (Signature)	7/21/15	1555
Relinquished By: (Signature)	Received By: (Signature)	7/22/15	0950
Relinquished By: (Signature)	Received For Prism Laboratories By:	7/22/15	1040

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Prism Field Service ☒ Other Beavex

COC Group No. 5070438

Additional Comments:

PRISM USE ONLY

Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

EXHIBIT C

GROUNDWATER ASSESSMENT ACTIVITIES

Mid Atlantic
Engineering & Environmental Solutions

EXHIBIT C

On July 15 to 17, 2015, SAEDACCO under Mid-Atlantic's supervision, constructed four permanent monitoring wells on the AVX property to supplement the well network previously installed by others. Three shallow, Type II monitoring wells (MW-14A, MW-15A and MW-16A) were installed at locations to further evaluate the lateral extent of the contaminants of concern (COCs) in shallow groundwater. One deep, Type III monitoring well, MW-14B, was installed to provide groundwater quality data from the fractured bedrock located hydraulically downgradient of existing monitoring wells installed by others north of the stream crossing the subject site. Monitoring well locations are shown in **Drawing C-1**. Monitoring wells MW-14A and MW-14B were installed as a well pair located in a wooded area near Atlantic Avenue.

The shallow Type II monitoring wells were installed within boreholes measuring approximately 8 inches in diameter, after Mid-Atlantic first collected soil samples from the borings for textural classification and organic vapor analysis using a TVA. The sampling procedure used was discussed in Exhibit B. The boreholes were extended to depths ranging from 21 feet at MW-16A to 29 feet at MW-14A. The permanent monitoring wells were constructed using 2-inch diameter Schedule 40 PVC casing and slotted well screen installed such that the well screen bracketed the water table at the time of construction. At the surface, the monitoring well drilled in the wooded area (MW-14A) was finished with an above-ground protective steel casing installed in a concrete pad. Wells MW-15A and MW-16A were installed in asphalt and have protective manhole vaults constructed flush with the ground. Well construction details for the monitoring wells are drawn on the attached boring logs. Well construction records provided by SAEDACCO are also attached.

Deep well MW-14B was installed over two days after a more complex drilling procedure was used to advance the borehole. The drilling notes on the MW-14B log provide more information. A six-inch outside diameter, Schedule 40 PVC outer casing was installed to a depth of 51.5 feet BLS and grouted. Approximately 24 hours later, the inner borehole was drilled and the inner casing was installed to a depth of 65 feet BLS.

After installation, Mid-Atlantic developed each of the wells by removing turbid water with a new, disposable polyethylene bailer. Depth to water measurements were collected on July 17, 2015 and are listed on the boring logs. Groundwater was measured at depths of 24.8 feet BLS at MW-14A, 22.2 feet BLS at MW-15A and 12.7 feet at MW-16A. The depth to water is less at well MW-16A because the well location is at the lowest topographic elevation among the three shallow monitoring wells. Groundwater in deep well MW-14B was measured at 24.8 feet BLS. Note that Mid-Atlantic did not use survey techniques to establish top of casing elevations for the new monitoring wells. Therefore, preparation of potentiometric surface maps, identification of groundwater flow direction and calculation of hydraulic gradients were not completed.

Groundwater Monitoring Well Purging and Sampling Procedure

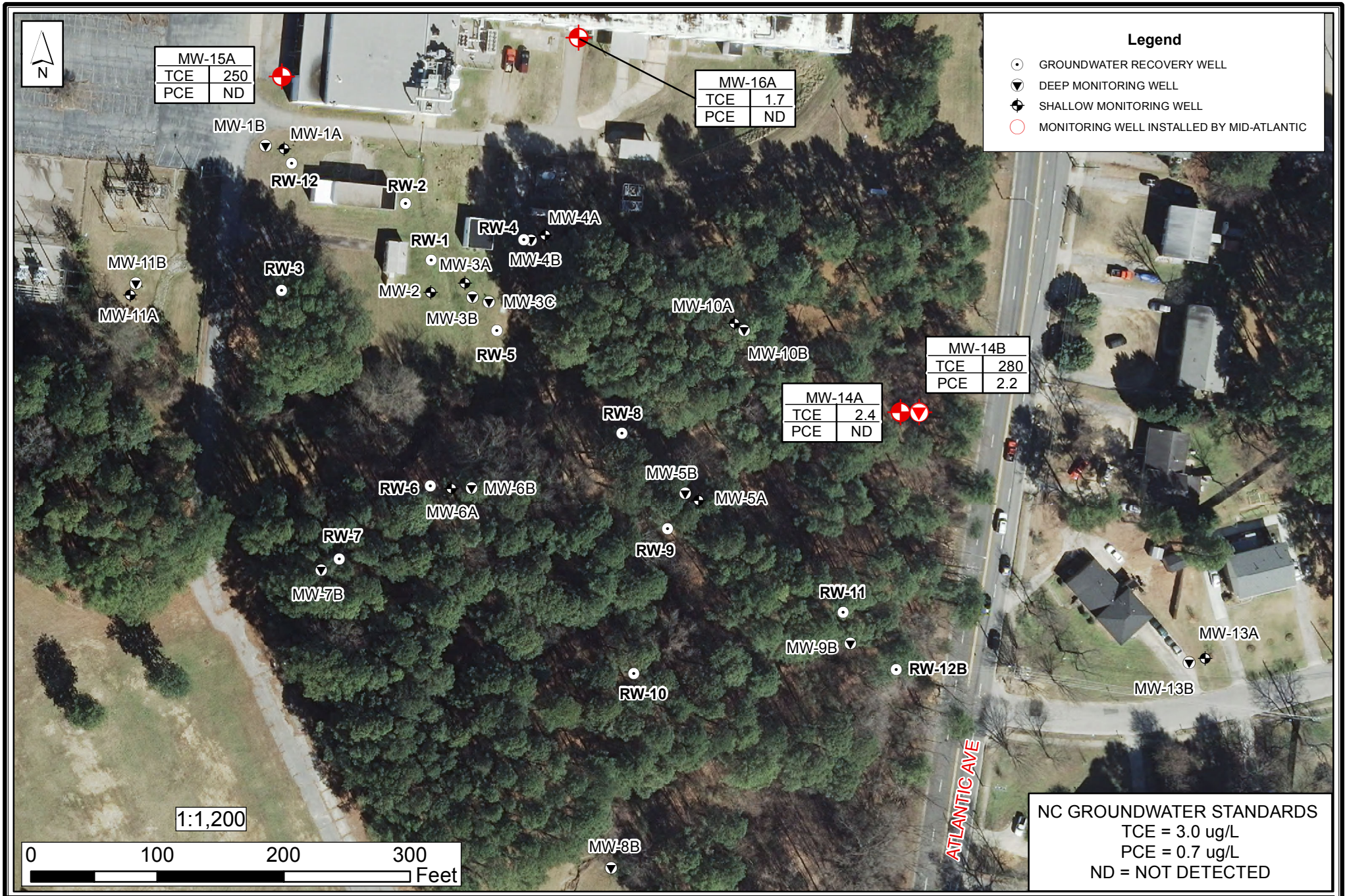
Groundwater samples were collected from each of the four newly installed wells on July 17, 2015 using new disposable bailers. Water quality measurements were obtained during purging including pH, specific conductance and temperature. Field data sheets from groundwater sampling are attached. Monitoring wells MW-14B and MW-16A were purged to dryness at 9 gallons and 4 gallons, respectively. The purge volumes are equivalent to 1.5 well volume for MW-14B and 3.1 well volume for well MW-16A. Monitoring wells MW-14A and MW-15A did not go dry and were purged of 4 gallons from each well (equivalent to 5 well volumes for MW-14A and 4.4 well volumes for MW-15A)

Laboratory Testing and Results

New nitrile gloves were worn during the collection of each sample. Mid-Atlantic filled pre-cleaned containers provided by the laboratory, and after filling, groundwater samples were placed into an ice-filled cooler and shipped under chain-of-custody to Prism Laboratories, Inc. (Prism) in Charlotte, North Carolina. A total of four groundwater samples were collected from the subject site for laboratory analysis. The four groundwater samples collected on July 17, 2015 (MW-14A, MW-14B, MW-15A and MW-16A) were submitted for analysis of volatile organic compounds (VOCs) according to EPA Method 8260B. The two groundwater samples collected from wells closest to the building (MW-15A and MW-16A) were also tested for semi-VOCs according to EPA Method 8270D.

The laboratory results for organic analyses (VOC, Semi-VOC) are summarized in **Table C-1**. Seven VOCs were exhibited in the groundwater samples at concentrations above the MDL. Trichloroethylene (TCE) and perchloroethylene (PCE) were exhibited in deep well sample MW-14B at concentrations of 280 ug/L and 2.2 ug/L, greater than the NCGQS for TCE and PCE, respectively. Groundwater from shallow well MW-15A, located outside the loading dock area of the former Plating Department, exhibited TCE at 250 ug/L, also above the 3 ug/L NCGQS. The other two samples also exhibited TCE but a concentrations below the NCGQS. Additional VOCs including chloroform, 1,1-dichloroethane, 1,1-dichloroethylene, cis-1,2-dichloroethylene and trichlorofluoromethane were exhibited in the groundwater samples but at concentrations well below the NCGQS. The laboratory did not detect semi-VOCs at concentrations above the laboratory MDLs.

TCE was exhibited in the four groundwater samples at concentrations above the groundwater screening level for residential vapor intrusion established by the Inactive Hazardous Sites Branch (IHSB) of the DWM (**Table C-1**). The screening level for TCE established by the IHSB is 1.04 ug/L.



Mid Atlantic
Engineering & Environmental Solutions

TRICHLOROETHENE AND PERCHLOROETHYLENE CONCENTRATIONS AT MONITORING WELLS MW14A TO MW-16A
AVX, CORNING GLASS WORKS
3900 ELECTRONICS DRIVE
RALEIGH, NORTH CAROLINA

DRAWN BY:	DATE: AUGUST 2015
DRAFT CHECK BY: EBA	JOB NO.: 000R2678.00
ENGINEER CHECK BY: DHN	GIS NO.: 04G-R2678.00 - C-1
APPROVED BY: EBA	DRAWING NO.: C-1

REFERENCE: PARCEL AND ROAD GIS DATA FROM WAKE COUNTY GIS. 2013 AERIAL IMAGERY FROM WAKE COUNTY GIS. MID-ATLANTIC FIELD NOTES.

TABLE C-1: SUMMARY OFGROUNDWATER SAMPLE LABORATORY RESULTS (VOLATILE ORGANIC COMPOUNDS), UG/L
FORMER CORNING GLASS WORKS / AVX, INC.900 ELECTRONICS DRIVE, RALEIGH, NORTH CAROLINA
MID-ATLANTIC PROJECT NO. 000R2678.00

		Volatile Organic Compounds (VOCs), EPA 8260								SVOCs
Contaminant of Concern →		**Acetone**	**Chloroform**	**1,1-Dichloroethane**	**1,1-Dichloroethylene**	**cis-1,2-Dichloroethylene**	**Trichloroethylene**	**Tetrachloroethene**	**Trichlorofluoromethane**	**Semi-volatile Organic Compounds (if detected), EPA Method 8270D**
Sample ID	**Date Collected**									
Groundwater Screening Level for Vapor Intrusion (ug/L), IHSB, June 2014 Table		452000	8.14	76.4	22.4	NA	1.04	11.5	36.8	NA
North Carolina Groundwater Quality Standard (ug/L)		6000	70	6	7	60	3	0.7	2000	NA
MW-14A	7/17/2015	--	--	--	--	--	2.4	--	--	NT
MW-14B	7/17/2015	--	--	0.87	2.3	3.9	**280**	**2.2**	4.4	NT
MW-15A	7/17/2015	--	1.4	--	--	8.8	**250**	--	--	-- NC --
MW-16A	7/17/2015	--	1.4	--	--	--	1.7	--	--	-- NC --

Notes:

Bold = Concentrations in Bold exceed North Carolina Groundwater Quality Standards (NCGQS) specified in 15A NCAC 2L.0202 or the Method Detection Limit exceeds the NCGQS.

= Concentration exceeds the groundwater screening level for potential vapor intrusion.

-- = Analyte not detected above the Method Detection Limit (MDL) for undiluted samples, or sample was diluted but MDL is less than or equivalent to the NCGQS.

NA = Not Applicable

-- NC -- = No compounds detected

NT = Not Tested

Mid Atlantic
Engineering & Environmental Solutions

409 Rogers View Ct.
Raleigh, NC 27610
Ph: (919) 250-9918

LOG OF BORING: MW-14A

Site Name:	Former AVX, Corning Glass 3900 Electronics Dr., Raleigh	Drilling/Boring Method:	Hollow Stem Auger	Total Boring Depth (ft):	29
Project Number:	R2678.00	Sampling Method:	Split Spoons	Well Depth (ft):	29 ft. BGS ~31.5 BTOC
Location:	Woods near Atlantic Avenue	Subcontractor/Drillers:	SAEDACCO	Screen Depth (ft):	19 to 29 ft. BGS
Date Started:	7/15/2015	Driller :	Steve Poloniewicz	DTW (7/17/2015):	24.8 ft. BGS 27.29 ft.BTOC
Date Completed:	7/15/2015	Monitoring Equipment:	TVA (FID, PID)	MAA Field Staff:	G. Fischer

ft -bgs	Sampling Interval, [Blowcounts per 6-inch interval]	TVA - PID (ppm)	TVA - FID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
	0 to 4 feet bls [NA, Hand Auger]	NR	NR		Tan and White Sapprolite		
4	4 to 6 ft., [50/5"]	3.01	1.87		Light Brown and White Sandy **SILT** (Saprolite)		4
8							8
	9 to 11 ft., [16 - 50/6"]	2.81	1.29		Light Brown and Dark Brown Sandy **SILT**, minor mica		
12							12
	14 to 16 ft., [50/4.5"]	6.20	0.99		Light to Medium Brown Sandy **SILT**, minor mica		
16							16
20	19 to 21 ft., [12 - 50/5"]	4.91	1.71		Light to Medium Brown Sandy **SILT**, minor mica		20
24	24 to 26 ft., [50/5"]	5.74	1.20		Light Brown, White, and Black Sandy **SILT**, Micaceous		24
28							28
	29 to 31 ft., [50/3.5"]				Light Brown Sandy **SILT**, minor mica		
32							32

Total Depth = 29 feet

Grout: 1 to 15 ft.
Bent.: 15 to 17 ft.
Sand: 17 to 29 ft.
Screen: 19 to 29 ft.

COMMENTS:

BGS - Below ground surface
BTOC - Below Top of Well Casing
DTW - Depth to Water
NR - Not Recorded

TD - Total Depth of Boring for Sampling
ft - indicates depth in feet
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring
ppm - indicates parts per million
PWR - indicates Partially Weathered Rock

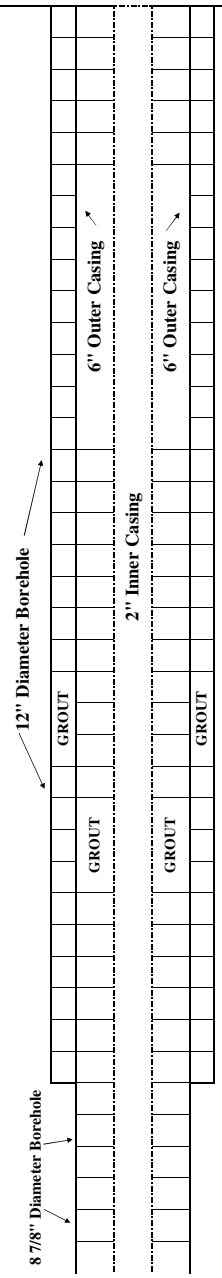
Mid Atlantic
Engineering & Environmental Solutions
409 Rogers View Ct.
Raleigh, NC 27610
Ph: (919) 250-9918

LOG OF BORING: MW-14B

Site Name:	Former AVX, Corning Glass 3900 Electronics Dr., Raleigh	Drilling/Boring Method:	Hollow Stem Auger, Air Hammer	Total Boring Depth (ft):	65
Project Number:	R2678.00	Sampling Method:	Split Spoons, Cuttings	Well Depth (ft):	65 ft. BGS ~ 67.5 BTOC
Location:	Woods near Atlantic Avenue	Subcontractor/Drillers:	SAEDACCO	Screen Depth (ft):	60 to 65 ft. BGS
Date Started:	7/14/2015	Driller :	Steve Poloniewicz	DTW (7/17/2015):	~ 24.5 ft. BGS 26.98 ft.BTOC
Date Completed:	7/15/2015	Monitoring Equipment:	TVA (FID, PID)	MAA Field Staff:	G. Fischer

ft -bgs	Sampling Interval, [Blowcounts per 6-inch interval]	TVA - PID (ppm)	TVA - FID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)
	0 to 4 feet bls [NA, Hand Auger]	NR	NR		Soils not Described. Boring in undeveleped Woods.
4	4 to 6 ft., [20-18-31-21]	0.71	0.20		Light Brown and Dark Brown **SILT**, Micaceous, minor sand
8					
	9 to 11 ft., [8-11-30-35]	0.29	0.39		Medium Brown, Dark Brown, and White Sandy **SILT** (PWR), Micaceous
12					
	14 to 16 ft., [50/5"]	0.89	0.24		Tan and White **SILT** (PWR), minor sand
16					
20	19 to 21 ft., [50/6"]	1.38	0.49		Light Brown, Dark Brown, Black, and White Sandy **SILT (PWR),** Micaceous
24	24 to 26 ft., [50/4"]	1.01	0.29		Light Brown, Dark Brown, Black, and White Sandy **SILT (PWR),** Micaceous
28					
	29 to 31 ft., [50/3"]	0.97	0.78		Medium Brown and Black Sandy **SILT,** Micaceous
32					
	34 to 36 ft., [50/3.5"]	NR	NR		Medium Brown and Black Sandy **SILT,** Micaceous
36					34 ft.: Hollow Stem Auger refusal encountered. Switched drilling rig to drill with 7 7/8 inch dia. Air hammer to 39 ft. Hammer sound was rock chatter interspersed with brief quiet periods when less resistant silt was encountered. Advanced to 55 ft. in order to identify more competent rock to install the outer casing.
40					

Construction Details



COMMENTS:

BGS - Below ground surface
BTOC - Below Top of Well Casing
DTW - Depth to Water
NR - Not Recorded

TD - Total Depth of Boring for Sampling
ft - indicates depth in feet
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring
ppm - indicates parts per million
PWR - indicates Partially Weathered Rock

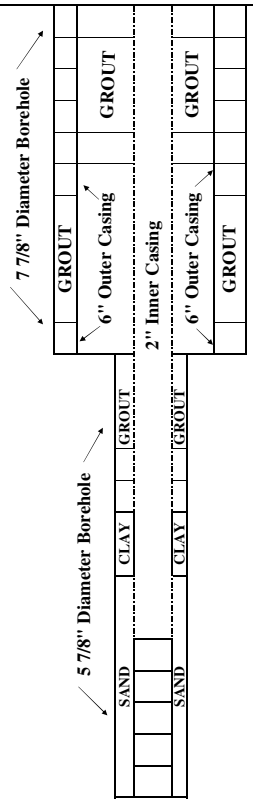
Mid Atlantic
Engineering & Environmental Solutions
409 Rogers View Ct.
Raleigh, NC 27610
Ph: (919) 250-9918

LOG OF BORING: MW-14B (Page 2)

Site Name:	Former AVX, Corning Glass 3900 Electronics Dr., Raleigh	Drilling/Boring Method:	Hollow Stem Auger	Total Boring Depth (ft):	65
Project Number:	R2678.00	Sampling Method:	Split Spoons	Well Depth (ft):	65 ft. BGS ~67.5 BTOC
Location:	Woods near Atlantic Avenue	Subcontractor/Drillers:	SAEDACCO	Screen Depth (ft):	60 to 65 ft. BGS
Date Started:	7/14/2015	Driller :	Steve Poloniewicz	DTW (7/17/2015):	24.8 ft. BGS 27.29 ft.BTOC
Date Completed:	7/15/2015	Monitoring Equipment:	TVA (FID, PID)	MAA Field Staff:	G. Fischer

ft -bgs	Sampling Interval, [Blowcounts per 6-inch interval]	TVA - PID (ppm)	TVA - FID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)
44					Drilling with 7 7/8 inch dia. Air hammer, continued through partially to more heavily weathered rock and silt. Small amounts of additional water produced from 39 to 55 ft.
48					
52					Note: Outer Casing installed to 51.5 feet BLS
56					55 ft. - Hammering with 7 7/8 inch. Diameter air hammer stopped. Rock appeared competent enough for installation of outer casing. Note that Outer casing would not extend to 55feet due to accumulation of rock flour in hole.
60					51.5 to 65 ft: Drilling proceeded with 5 7/8 inch diameter air hammer. No noticeable breaks were noted in the rock hammer while driiling. Little water produced from 51.5 to 65 feet.
64					

Construction Details



ft-bgs: 44, 48, 52, 56, 60, 64, 68

Total Depth = 65 feet

Outer Casing to 51.5 ft.
Grout: 1 to 56 ft.
Bent.: 56 to 58 ft.
Sand: 58 to 65 ft.
Screen: 60 to 65 ft.

COMMENTS:

BGS - Below ground surface
BTOC - Below Top of Well Casing
DTW - Depth to Water
TD - Total Depth of Boring for Sampling
ft - indicates depth in feet
ft-bgs - indicates feet below ground surface
N/A - indicates not applicable to this boring
ppm - indicates parts per million
PWR - indicates Partially Weathered Rock

Mid Atlantic
Engineering & Environmental Solutions

409 Rogers View Ct.
Raleigh, NC 27610
Ph: (919) 250-9918

LOG OF BORING: MW-15A

Site Name:	Former AVX, Corning Glass 3900 Electronics Dr., Raleigh	Drilling/Boring Method:	Hollow Stem Auger	Total Boring Depth (ft):	30
Project Number:	R2678.00	Sampling Method:	Split Spoons	Well Depth (ft):	28 ft. BGS TOC Flush
Location:	Asphalt near Loading Dock	Subcontractor/Drillers:	SAEDACCO	Screen Depth (ft):	18 to 28 ft. BGS
Date Started:	7/15/2015	Driller :	Steve Poloniewicz	DTW (7/17/2015):	22.21 ft.BTOC
Date Completed:	7/15/2015	Monitoring Equipment:	TVA (FID, PID)	MAA Field Staff:	G. Fischer

ft -bgs	Sampling Interval, [Blowcounts per 6-inch interval]	TVA - PID (ppm)	TVA - FID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
	0 to 4 feet bls [NA, Hand Auger]						
4	4 to 6 ft., [3-2-3-3]	4.3	1.01		Light brown and white Sandy **SILT** (Saprolite)		4
8							8
	9 to 11 ft., [9-10-11-13]	6.21	1.30		Light Brown and Dark Brown Sandy **SILT**, minor mica		
12							12
	14 to 16 ft., [2-3-4-4]	8.31	1.49		Tan, White and Black **SILT**, Micaceous, minor sand		
16							16
20	19 to 21 ft., [4-5-8-9]	9.51	1.74		Tan, White, and Black **SILT** w/ quartz lenses, Micaceous, minor sand		20
24	24 to 26 ft., [4-5-7-7]	10.94	1.47		Tan and White Sandy **SILT**, minor mica		24
28	28 to 30 ft., [8-8-7-7]	8.94	2.79		Tan and White Sandy **SILT**, minor mica		28
32							32

Total Boring Depth = 30 feet

Grout: 1 to 14 ft.
Bent.: 14 to 16 ft.
Sand: 16 to 28 ft.
Screen: 18 to 28 ft.

COMMENTS:

BGS - Below ground surface
BTOC - Below Top of Well Casing
DTW - Depth to Water

TD - Total Depth of Boring for Sampling
ft - indicates depth in feet
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring
ppm - indicates parts per million
PWR - indicates Partially Weathered Rock

Mid Atlantic
Engineering & Environmental Solutions

409 Rogers View Ct.
Raleigh, NC 27610
Ph: (919) 250-9918

LOG OF BORING: MW-16A

Site Name:	Former AVX, Corning Glass 3900 Electronics Dr., Raleigh	Drilling/Boring Method:	Hollow Stem Auger	Total Boring Depth (ft):	22
Project Number:	R2678.00	Sampling Method:	Split Spoons	Well Depth (ft):	22 ft. BGS TOC Flush
Location:	Asphalt near Bay Door	Subcontractor/Drillers:	SAEDACCO	Screen Depth (ft):	11 to 21 ft. BGS
Date Started:	7/16/2015	Driller :	Steve Poloniewicz	DTW (7/17/2015):	12.69 ft.BTOC
Date Completed:	7/16/2015	Monitoring Equipment:	TVA (FID, PID)	MAA Field Staff:	G. Fischer

ft -bgs	Sampling Interval, [Blowcounts per 6-inch interval]	TVA - PID (ppm)	TVA - FID (ppm)	Sample to Laboratory	SOIL DESCRIPTION (color, texture, moisture, etc.)	Construction Details	ft-bgs
	0 to 4 feet bls [NA, Hand Auger]						
4	4 to 6 ft., [50 over 5 inches]	3.01	1.87		Refer to Boring Log SB-3 for Soil Description		4
8							8
	9 to 11 ft., [16 - 50 over 6 in.]	2.81	1.29				
12							12
	14 to 16 ft., [2-1-2-2]	1.17	0.69		Medium Brown, White, and Black **SILT** w/ quartz lenses, Micaceous, minor sand		
16							16
20	19 to 21 ft., [3-3-5-5]	2.71	1.21				20
24							24
28							28
32							32

Total Boring Depth = 22 feet

Grout: 1 to 7 ft.
Bent.: 7 to 9 ft.
Sand: 9 to 21 ft.
Screen: 11 to 21 ft.

COMMENTS:

BGS - Below ground surface
BTOC - Below Top of Well Casing
DTW - Depth to Water

TD - Total Depth of Boring for Sampling
ft - indicates depth in feet
ft-bgs - indicates feet below ground surface

N/A - indicates not applicable to this boring
ppm - indicates parts per million
PWR - indicates Partially Weathered Rock

10625

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

For Internal Use ONLY:

1. Well Contractor Information:

Steve Poloniewicz
Well Contractor Name

2284-A
NC Well Contractor Certification Number

SAEDACCO Inc
Company Name

2. Well Construction Permit #: _____
List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:
- ☐ Agricultural
- ☐ Municipal/Public
- ☐ Geothermal (Heating/Cooling Supply)
- ☐ Residential Water Supply (single)
- ☐ Industrial/Commercial
- ☐ Residential Water Supply (shared)
- ☐ Irrigation

Non-Water Supply Well:
- ☒ Monitoring
- ☐ Recovery

Injection Well:
- ☐ Aquifer Recharge
- ☐ Groundwater Remediation
- ☐ Aquifer Storage and Recovery
- ☐ Salinity Barrier
- ☐ Aquifer Test
- ☐ Stormwater Drainage
- ☐ Experimental Technology
- ☐ Subsidence Control
- ☐ Geothermal (Closed Loop)
- ☐ Tracer
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 07/15/2015 **Well ID#** MW-14A

5a. Well Location:

_____ Facility/Owner Name

NA Facility ID# (if applicable)

3900 Electronics Drive , Raleigh, NC, 27604
Physical Address, City, and Zip

Wake
County

_____ Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.832876 N -78.604318 W

6. Is (are) the well(s): ☒ **Permanent** or ☐ **Temporary**

7. Is this a repair to an existing well: ☐ **Yes** or ☒ **No**
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: _____
*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 29 **(ft.)**
For multiple wells list all depths if different (example- 3@200' and 2@100').

10. Static water level below top of casing: _____ **(ft.)**
If water level is above casing, use "+"

11. Borehole diameter: _____ **(in.)**

12. Well construction method: _____
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.6 ft.	19' ft.	2" in.	Sch 40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
19' ft.	29' ft.	2" in.	.010	Sch 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
1' ft.	15' ft.	Portland	Trimmie
15' ft.	17' ft.	Bent/pellets	Pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
17' ft.	29' ft.	silica sand	#2
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	27' ft.	Red silty clay
27' ft.	29' ft.	Pwr
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Signature of Certified Well Contractor — Date: 07/21/2019

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0108 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:
Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Steve Poloniewicz
Well Contractor Name

2284-A
NC Well Contractor Certification Number

SAEDACCO Inc
Company Name

2. Well Construction Permit #: _____
List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:
☐Agricultural ☐Municipal/Public
☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)
☐Industrial/Commercial ☐Residential Water Supply (shared)
☐Irrigation

Non-Water Supply Well:
☒Monitoring ☐Recovery

Injection Well:
☐Aquifer Recharge ☐Groundwater Remediation
☐Aquifer Storage and Recovery ☐Salinity Barrier
☐Aquifer Test ☐Stormwater Drainage
☐Experimental Technology ☐Subsidence Control
☐Geothermal (Closed Loop) ☐Tracer
☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 07/15/2015 **Well ID#** MW-14B

5a. Well Location:

_____ NA
Facility/Owner Name Facility ID# (if applicable)

3900 Electronics Drive , Raleigh, NC, 27604
Physical Address, City, and Zip

Wake _____
County Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.832876 N -78.604318 W

6. Is (are) the well(s): ☒**Permanent** or ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** or ☒**No**
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: _____
*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 65 **(ft.)**
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: _____ **(ft.)**
If water level is above casing, use "+"

11. Borehole diameter: _____ **(in.)**

12. Well construction method: _____
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.6 ft.	60' ft.	2" in.	Sch 40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
60' ft.	65' ft.	2" in.	.010	Sch 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
1' ft.	56' ft.	Portland	Trimmie
56' ft.	58' ft.	Bent/pellets	Pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
58' ft.	65' ft.	silica sand	#2
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	34' ft.	Red silty clay
34' ft.	65' ft.	Bedrock
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Steve Poloniewicz 07/21/2019
Signature of Certified Well Contractor Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:
Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Steve Poloniewicz
Well Contractor Name

2284-A
NC Well Contractor Certification Number

SAEDACCO Inc
Company Name

2. Well Construction Permit #: _____
List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:
☐Agricultural ☐Municipal/Public
☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)
☐Industrial/Commercial ☐Residential Water Supply (shared)
☐Irrigation

Non-Water Supply Well:
☒Monitoring ☐Recovery

Injection Well:
☐Aquifer Recharge ☐Groundwater Remediation
☐Aquifer Storage and Recovery ☐Salinity Barrier
☐Aquifer Test ☐Stormwater Drainage
☐Experimental Technology ☐Subsidence Control
☐Geothermal (Closed Loop) ☐Tracer
☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 07/16/2015 **Well ID#** MW-15A

5a. Well Location:

_____ NA
Facility/Owner Name Facility ID# (if applicable)

3900 Electronics Drive , Raleigh, NC, 27604
Physical Address, City, and Zip

Wake
County Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.832876 N -78.604318 W

6. Is (are) the well(s): ☒**Permanent** or ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** or ☒**No**
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: _____
*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 28 **(ft.)**
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: _____ **(ft.)**
If water level is above casing, use "+"

11. Borehole diameter: _____ **(in.)**

12. Well construction method: _____
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.6 ft.	18' ft.	2" in.	Sch 40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
18' ft.	28' ft.	2" in.	.010	Sch 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
1' ft.	14' ft.	Portland	Trimmie
14' ft.	16' ft.	Bent/pellets	Pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
16' ft.	28' ft.	silica sand	#2
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	28' ft.	Red silty clay
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Steve Poloniewicz 07/21/2019
Signature of Certified Well Contractor Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:
Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Steve Poloniewicz
Well Contractor Name

2284-A
NC Well Contractor Certification Number

SAEDACCO Inc
Company Name

2. Well Construction Permit #: _____
List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:
☐Agricultural ☐Municipal/Public
☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)
☐Industrial/Commercial ☐Residential Water Supply (shared)
☐Irrigation

Non-Water Supply Well:
☒Monitoring ☐Recovery

Injection Well:
☐Aquifer Recharge ☐Groundwater Remediation
☐Aquifer Storage and Recovery ☐Salinity Barrier
☐Aquifer Test ☐Stormwater Drainage
☐Experimental Technology ☐Subsidence Control
☐Geothermal (Closed Loop) ☐Tracer
☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 07/16/2015 **Well ID#** MW-16A

5a. Well Location:

_____ NA
Facility/Owner Name Facility ID# (if applicable)

3900 Electronics Drive , Raleigh, NC, 27604
Physical Address, City, and Zip

Wake _____
County Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.832876 N -78.604318 W

6. Is (are) the well(s): ☒**Permanent** or ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** or ☒**No**
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: _____
*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 22 **(ft.)**
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: _____ **(ft.)**
If water level is above casing, use "+"

11. Borehole diameter: _____ **(in.)**

12. Well construction method: _____
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.6 ft.	11' ft.	2" in.	Sch 40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
11' ft.	21' ft.	2" in.	.010	Sch 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
1' ft.	7' ft.	Portland	Trimmie
7' ft.	9' ft.	Bent/pellets	Pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
9' ft.	22' ft.	silica sand	#2
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	22' ft.	Red silty clay
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Steve Poloniewicz 07/21/2019
Signature of Certified Well Contractor Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:
Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

GROUNDWATER MONITORING PROGRAM DATA					MID-ATLANTIC ASSOCIATES, INC.					
PROJECT NAME: Former AVX		SHEET 1 OF 1								
JOB NO.: R2678.00	DATE(S): 7/17/15		SAMPLERS SIGNATURE: Gary A Finks							
REMARKS:										
Well I.D.	MW-14A	MW-14B	MW-15A	MW-16A						
Well Casing Inside Diameter (in.)	2"	2"	2"	2"						
Total Well Depth (ft.)	29'	65'	28'	21'						
Water Depth: Marker Reading (ft.)	27.29	26.98	22.21	12.69						
Tape Reading (+ or =)										
Water Depth (Marker = Tape)										
Water Column (Total Depth - Water Depth)	4.71	38.02	5.79	8.31						
Well Volume (see Note)	.8	6.0	.9	1.3						
Volume To Purge (3 to 5 well volumes)	2.4	18.0	2.7	3.9						
Bailer I.D./Pump I.D. Purging device:	disp bailer	—	—	—						
Volume Purged (Note if well went dry)	4.0	Dry@9.0	4.0	Dry@4.0						
GROUNDWATER SAMPLING DATA										
Sample I.D.	MW-14A	MW-14B	MW-15A	MW-16A						
Date	7/17/15	—	—	—						
Time	0715	0645	1230	1215						
Parameters Analytical:	8260	8260	8260 8270	8260 8270						
pH 1st Volume	6.78	8.91	5.18	5.75						
2nd Volume	6.65	8.85	5.12	5.62						
3rd Volume	6.56		4.95	5.56						
Conductivity (Units =) 1st Volume	287	207	156	88						
2nd Volume	281	183	154	71						
3rd Volume	274		145	69						
Temperature (°) 1st Volume	17.1	18.2	22.4	24.5						
2nd Volume	17.4	17.7	21.3	21.3						
3rd Volume	17.5		21.3	21.7						

Note: Volumes per foot of water column: 2" well - 0.16 gal/ft, 6" well - 1.5 gal/ft.

PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert No. 37735
VA Certification No. 460211
DoD ELAP: L-A-B Accredited Certificate No. L2307
ISO/IEC 17025: L-A-B Accredited Certificate No. L2307

Case Narrative

08/04/2015

Mid-Atlantic Associates, Inc. - Raleigh
Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Lab Submittal Date: 07/20/2015
Prism Work Order: 5070367

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

Angela D. Overcash
VP Laboratory Services

Reviewed By Robbi A. Jones For Angela D. Overcash
President/Project Manager

Data Qualifiers Key Reference:

A	Response factor did not meet method requirements.
D	RPD value outside of the control limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
L	Parameter reported with possible low bias. LCS recovery below the QC limit.
L1	LCS recovery outside of the QC limits. LCSD recovery within the limits. No further action taken.
L2	LCSD recovery outside of the QC limits. LCS recovery within the limits. No further action taken.
LH	High LCS recovery. Analyte not detected in the sample(s). No further action taken.
SR	Surrogate recovery outside the QC limits.
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

Sample Receipt Summary

08/04/2015

Prism Work Order: 5070367

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
SB-1 (6-8)	5070367-01	Solid	07/14/15	07/20/15
SB-2 (8-10)	5070367-02	Solid	07/16/15	07/20/15
SB-3 (2-3)	5070367-03	Solid	07/16/15	07/20/15
SB-4 (8-10)	5070367-04	Solid	07/15/15	07/20/15
SB-5 (1-3)	5070367-05	Solid	07/15/15	07/20/15
SB-6 (4-5)	5070367-06	Solid	07/14/15	07/20/15
SB-7 (3-4)	5070367-07	Solid	07/17/15	07/20/15
SB-8 (1-3)	5070367-08	Solid	07/15/15	07/20/15
SB-9 (1-3)	5070367-09	Solid	07/15/15	07/20/15
SB-10 6-8	5070367-10	Solid	07/17/15	07/20/15
SB-11 (6-8)	5070367-11	Solid	07/17/15	07/20/15
SB-12 (14-15)	5070367-12	Solid	07/17/15	07/20/15
SB-13 (8-10)	5070367-13	Solid	07/17/15	07/20/15
MW-14A	5070367-14	Water	07/17/15	07/20/15
MW-14B	5070367-15	Water	07/17/15	07/20/15
MW-15A	5070367-16	Water	07/17/15	07/20/15
MW-16A	5070367-17	Water	07/17/15	07/20/15

Samples were received in good condition at 2.8 degrees C unless otherwise noted.

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Summary of Detections

08/04/2015

Prism Work Order: 5070367

Prism ID	Client ID	Parameter	Method	Result		Units
5070367-05	SB-5 (1-3)	Acetone	8260B	0.11		mg/kg dry
5070367-06	SB-6 (4-5)	Acetone	8260B	0.10		mg/kg dry
5070367-10	SB-10 6-8	Acetone	8260B	0.13		mg/kg dry
5070367-11	SB-11 (6-8)	Acetone	8260B	0.23		mg/kg dry
5070367-11	SB-11 (6-8)	m,p-Xylenes	8260B	0.0019	J	mg/kg dry
5070367-11	SB-11 (6-8)	Tetrachloroethylene	8260B	0.0078		mg/kg dry
5070367-11	SB-11 (6-8)	Xylenes, total	8260B	0.0019	J	mg/kg dry
5070367-12	SB-12 (14-15)	m,p-Xylenes	8260B	0.0024	J	mg/kg dry
5070367-12	SB-12 (14-15)	Xylenes, total	8260B	0.0024	J	mg/kg dry
5070367-13	SB-13 (8-10)	Tetrachloroethylene	8260B	0.0027	J	mg/kg dry
5070367-14	MW-14A	Trichloroethylene	8260B	2.4		ug/L
5070367-15	MW-14B	1,1-Dichloroethane	8260B	0.87		ug/L
5070367-15	MW-14B	1,1-Dichloroethylene	8260B	2.3		ug/L
5070367-15	MW-14B	cis-1,2-Dichloroethylene	8260B	3.9		ug/L
5070367-15	MW-14B	Tetrachloroethylene	8260B	2.2		ug/L
5070367-15	MW-14B	Trichloroethylene	8260B	280		ug/L
5070367-15	MW-14B	Trichlorofluoromethane	8260B	4.4		ug/L
5070367-16	MW-15A	Chloroform	8260B	1.4		ug/L
5070367-16	MW-15A	cis-1,2-Dichloroethylene	8260B	8.8		ug/L
5070367-16	MW-15A	Trichloroethylene	8260B	250		ug/L
5070367-17	MW-16A	Chloroform	8260B	1.4		ug/L
5070367-17	MW-16A	Trichloroethylene	8260B	1.7		ug/L

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-1 (6-8)
Prism Sample ID: 5070367-01
Prism Work Order: 5070367
Time Collected: 07/14/15 16:00
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**71.1**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0042	0.00034	1	8260B	7/27/15 17:46	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/27/15 17:46	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0042	0.00028	1	8260B	7/27/15 17:46	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0042	0.00037	1	8260B	7/27/15 17:46	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0042	0.00012	1	8260B	7/27/15 17:46	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0042	0.00019	1	8260B	7/27/15 17:46	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0042	0.00023	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0042	0.00024	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0042	0.00053	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0042	0.00031	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0042	0.00032	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2-Dibromoethane	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/27/15 17:46	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0042	0.00026	1	8260B	7/27/15 17:46	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0042	0.00032	1	8260B	7/27/15 17:46	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0042	0.00028	1	8260B	7/27/15 17:46	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0042	0.00021	1	8260B	7/27/15 17:46	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0042	0.00016	1	8260B	7/27/15 17:46	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/27/15 17:46	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0042	0.00022	1	8260B	7/27/15 17:46	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/27/15 17:46	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/27/15 17:46	MSC	P5G0498
Acetone	BRL	mg/kg dry	0.042	0.0010	1	8260B	7/27/15 17:46	MSC	P5G0498
Benzene	BRL	mg/kg dry	0.0025	0.00024	1	8260B	7/27/15 17:46	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0042	0.00035	1	8260B	7/27/15 17:46	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0042	0.00023	1	8260B	7/27/15 17:46	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0042	0.00023	1	8260B	7/27/15 17:46	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0042	0.00048	1	8260B	7/27/15 17:46	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.0084	0.00052	1	8260B	7/27/15 17:46	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0042	0.00021	1	8260B	7/27/15 17:46	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0042	0.00022	1	8260B	7/27/15 17:46	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.0084	0.00035	1	8260B	7/27/15 17:46	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0042	0.00030	1	8260B	7/27/15 17:46	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0042	0.00028	1	8260B	7/27/15 17:46	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0042	0.00018	1	8260B	7/27/15 17:46	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0042	0.00014	1	8260B	7/27/15 17:46	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/27/15 17:46	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0042	0.00019	1	8260B	7/27/15 17:46	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-1 (6-8)
Prism Sample ID: 5070367-01
Prism Work Order: 5070367
Time Collected: 07/14/15 16:00
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0042	0.00016	1	8260B	7/27/15 17:46	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/27/15 17:46	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/27/15 17:46	MSC	P5G0498
m,p-Xylenes	BRL	mg/kg dry	0.0084	0.00039	1	8260B	7/27/15 17:46	MSC	P5G0498
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.042	0.00038	1	8260B	7/27/15 17:46	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.084	0.00038	1	8260B	7/27/15 17:46	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.042	0.00036	1	8260B	7/27/15 17:46	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0042	0.00024	1	8260B	7/27/15 17:46	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0084	0.00013	1	8260B	7/27/15 17:46	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.0084	0.00013	1	8260B	7/27/15 17:46	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0042	0.00021	1	8260B	7/27/15 17:46	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/27/15 17:46	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/27/15 17:46	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/27/15 17:46	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/27/15 17:46	MSC	P5G0498
tert-Butylbenzene	BRL	mg/kg dry	0.0042	0.00014	1	8260B	7/27/15 17:46	MSC	P5G0498
Tetrachloroethylene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/27/15 17:46	MSC	P5G0498
Toluene	BRL	mg/kg dry	0.0042	0.00024	1	8260B	7/27/15 17:46	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/27/15 17:46	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0042	0.00022	1	8260B	7/27/15 17:46	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0042	0.00027	1	8260B	7/27/15 17:46	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0042	0.00027	1	8260B	7/27/15 17:46	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.021	0.00057	1	8260B	7/27/15 17:46	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/27/15 17:46	MSC	P5G0498
Xylenes, total	BRL	mg/kg dry	0.013	0.00078	1	8260B	7/27/15 17:46	MSC	P5G0498

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*98 %*	*84-123*
Toluene-d8	*94 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-2 (8-10)
Prism Sample ID: 5070367-02
Prism Work Order: 5070367
Time Collected: 07/16/15 14:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**77.0**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0036	0.00030	1	8260B	7/27/15 18:18	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0036	0.00017	1	8260B	7/27/15 18:18	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0036	0.00024	1	8260B	7/27/15 18:18	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0036	0.00032	1	8260B	7/27/15 18:18	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0036	0.00010	1	8260B	7/27/15 18:18	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0036	0.00016	1	8260B	7/27/15 18:18	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0036	0.00020	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0036	0.00020	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0036	0.00046	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0036	0.00027	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0036	0.00027	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2-Dibromoethane	BRL	mg/kg dry	0.0036	0.00014	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0036	0.00017	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0036	0.00021	1	8260B	7/27/15 18:18	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0036	0.00022	1	8260B	7/27/15 18:18	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0036	0.00027	1	8260B	7/27/15 18:18	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0036	0.00024	1	8260B	7/27/15 18:18	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0036	0.00018	1	8260B	7/27/15 18:18	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0036	0.00014	1	8260B	7/27/15 18:18	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0036	0.00017	1	8260B	7/27/15 18:18	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0036	0.00019	1	8260B	7/27/15 18:18	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0036	0.00021	1	8260B	7/27/15 18:18	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0036	0.00017	1	8260B	7/27/15 18:18	MSC	P5G0498
Acetone	BRL	mg/kg dry	0.036	0.00088	1	8260B	7/27/15 18:18	MSC	P5G0498
Benzene	BRL	mg/kg dry	0.0022	0.00021	1	8260B	7/27/15 18:18	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0036	0.00030	1	8260B	7/27/15 18:18	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0036	0.00020	1	8260B	7/27/15 18:18	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0036	0.00020	1	8260B	7/27/15 18:18	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0036	0.00041	1	8260B	7/27/15 18:18	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.0072	0.00044	1	8260B	7/27/15 18:18	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0036	0.00018	1	8260B	7/27/15 18:18	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0036	0.00019	1	8260B	7/27/15 18:18	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.0072	0.00030	1	8260B	7/27/15 18:18	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0036	0.00026	1	8260B	7/27/15 18:18	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0036	0.00024	1	8260B	7/27/15 18:18	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0036	0.00015	1	8260B	7/27/15 18:18	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0036	0.00012	1	8260B	7/27/15 18:18	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0036	0.00015	1	8260B	7/27/15 18:18	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0036	0.00016	1	8260B	7/27/15 18:18	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-2 (8-10)
Prism Sample ID: 5070367-02
Prism Work Order: 5070367
Time Collected: 07/16/15 14:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0036	0.00014	1	8260B	7/27/15 18:18	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0036	0.00015	1	8260B	7/27/15 18:18	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0036	0.00021	1	8260B	7/27/15 18:18	MSC	P5G0498
m,p-Xylenes	BRL	mg/kg dry	0.0072	0.00033	1	8260B	7/27/15 18:18	MSC	P5G0498
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.036	0.00033	1	8260B	7/27/15 18:18	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.072	0.00033	1	8260B	7/27/15 18:18	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.036	0.00031	1	8260B	7/27/15 18:18	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0036	0.00020	1	8260B	7/27/15 18:18	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0072	0.00012	1	8260B	7/27/15 18:18	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.0072	0.00011	1	8260B	7/27/15 18:18	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0036	0.00018	1	8260B	7/27/15 18:18	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0036	0.00021	1	8260B	7/27/15 18:18	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0036	0.00015	1	8260B	7/27/15 18:18	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0036	0.00017	1	8260B	7/27/15 18:18	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0036	0.00022	1	8260B	7/27/15 18:18	MSC	P5G0498
tert-Butylbenzene	BRL	mg/kg dry	0.0036	0.00012	1	8260B	7/27/15 18:18	MSC	P5G0498
Tetrachloroethylene	BRL	mg/kg dry	0.0036	0.00017	1	8260B	7/27/15 18:18	MSC	P5G0498
Toluene	BRL	mg/kg dry	0.0036	0.00021	1	8260B	7/27/15 18:18	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0036	0.00022	1	8260B	7/27/15 18:18	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0036	0.00019	1	8260B	7/27/15 18:18	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0036	0.00023	1	8260B	7/27/15 18:18	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0036	0.00023	1	8260B	7/27/15 18:18	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.018	0.00049	1	8260B	7/27/15 18:18	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0036	0.00017	1	8260B	7/27/15 18:18	MSC	P5G0498
Xylenes, total	BRL	mg/kg dry	0.011	0.00067	1	8260B	7/27/15 18:18	MSC	P5G0498

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*115 %*	*70-130*
Dibromofluoromethane	*101 %*	*84-123*
Toluene-d8	*96 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-3 (2-3)
Prism Sample ID: 5070367-03
Prism Work Order: 5070367
Time Collected: 07/16/15 15:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**79.0**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.42	0.065	1	8270D	7/22/15 7:38	JMV	P5G0361
1,2-Dichlorobenzene	BRL	mg/kg dry	0.42	0.063	1	8270D	7/22/15 7:38	JMV	P5G0361
1,3-Dichlorobenzene	BRL	mg/kg dry	0.42	0.059	1	8270D	7/22/15 7:38	JMV	P5G0361
1,4-Dichlorobenzene	BRL	mg/kg dry	0.42	0.061	1	8270D	7/22/15 7:38	JMV	P5G0361
1-Methylnaphthalene	BRL	mg/kg dry	0.42	0.081	1	8270D	7/22/15 7:38	JMV	P5G0361
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.42	0.078	1	8270D	7/22/15 7:38	JMV	P5G0361
2,4-Dichlorophenol	BRL	mg/kg dry	0.42	0.081	1	8270D	7/22/15 7:38	JMV	P5G0361
2,4-Dimethylphenol	BRL	mg/kg dry	0.42	0.064	1	8270D	7/22/15 7:38	JMV	P5G0361
2,4-Dinitrophenol	BRL	mg/kg dry	0.42	0.058	1	8270D	7/22/15 7:38	JMV	P5G0361
2,4-Dinitrotoluene	BRL	mg/kg dry	0.42	0.051	1	8270D	7/22/15 7:38	JMV	P5G0361
2,6-Dinitrotoluene	BRL	mg/kg dry	0.42	0.056	1	8270D	7/22/15 7:38	JMV	P5G0361
2-Chloronaphthalene	BRL	mg/kg dry	0.42	0.061	1	8270D	7/22/15 7:38	JMV	P5G0361
2-Chlorophenol	BRL	mg/kg dry	0.42	0.059	1	8270D	7/22/15 7:38	JMV	P5G0361
2-Methylnaphthalene	BRL	mg/kg dry	0.42	0.067	1	8270D	7/22/15 7:38	JMV	P5G0361
2-Methylphenol	BRL	mg/kg dry	0.42	0.054	1	8270D	7/22/15 7:38	JMV	P5G0361
2-Nitrophenol	BRL	mg/kg dry	0.42	0.076	1	8270D	7/22/15 7:38	JMV	P5G0361
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.42	0.083	1	8270D	7/22/15 7:38	JMV	P5G0361
3/4-Methylphenol	BRL	mg/kg dry	0.42	0.052	1	8270D	7/22/15 7:38	JMV	P5G0361
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.42	0.063	1	8270D	7/22/15 7:38	JMV	P5G0361
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.42	0.072	1	8270D	7/22/15 7:38	JMV	P5G0361
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.42	0.059	1	8270D	7/22/15 7:38	JMV	P5G0361
4-Chloroaniline	BRL	mg/kg dry	0.42	0.050	1	8270D	7/22/15 7:38	JMV	P5G0361
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.42	0.054	1	8270D	7/22/15 7:38	JMV	P5G0361
4-Nitrophenol	BRL	mg/kg dry	0.42	0.064	1	8270D	7/22/15 7:38	JMV	P5G0361
Acenaphthene	BRL A	mg/kg dry	0.42	0.057	1	8270D	7/22/15 7:38	JMV	P5G0361
Acenaphthylene	BRL	mg/kg dry	0.42	0.061	1	8270D	7/22/15 7:38	JMV	P5G0361
Anthracene	BRL	mg/kg dry	0.42	0.067	1	8270D	7/22/15 7:38	JMV	P5G0361
Azobenzene	BRL	mg/kg dry	0.42	0.055	1	8270D	7/22/15 7:38	JMV	P5G0361
Benzo(a)anthracene	BRL	mg/kg dry	0.42	0.055	1	8270D	7/22/15 7:38	JMV	P5G0361
Benzo(a)pyrene	BRL	mg/kg dry	0.42	0.045	1	8270D	7/22/15 7:38	JMV	P5G0361
Benzo(b)fluoranthene	BRL	mg/kg dry	0.42	0.048	1	8270D	7/22/15 7:38	JMV	P5G0361
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.42	0.046	1	8270D	7/22/15 7:38	JMV	P5G0361
Benzo(k)fluoranthene	BRL	mg/kg dry	0.42	0.055	1	8270D	7/22/15 7:38	JMV	P5G0361
Benzoic Acid	BRL	mg/kg dry	0.42	0.035	1	8270D	7/22/15 7:38	JMV	P5G0361
Benzyl alcohol	BRL	mg/kg dry	0.42	0.055	1	8270D	7/22/15 7:38	JMV	P5G0361
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.42	0.073	1	8270D	7/22/15 7:38	JMV	P5G0361
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.42	0.059	1	8270D	7/22/15 7:38	JMV	P5G0361
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.42	0.071	1	8270D	7/22/15 7:38	JMV	P5G0361
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.42	0.062	1	8270D	7/22/15 7:38	JMV	P5G0361

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-3 (2-3)
Prism Sample ID: 5070367-03
Prism Work Order: 5070367
Time Collected: 07/16/15 15:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.42	0.060	1	8270D	7/22/15 7:38	JMV	P5G0361
Chrysene	BRL	mg/kg dry	0.42	0.053	1	8270D	7/22/15 7:38	JMV	P5G0361
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.42	0.051	1	8270D	7/22/15 7:38	JMV	P5G0361
Dibenzofuran	BRL	mg/kg dry	0.42	0.064	1	8270D	7/22/15 7:38	JMV	P5G0361
Diethyl phthalate	BRL	mg/kg dry	0.42	0.058	1	8270D	7/22/15 7:38	JMV	P5G0361
Dimethyl phthalate	BRL	mg/kg dry	0.42	0.055	1	8270D	7/22/15 7:38	JMV	P5G0361
Di-n-butyl phthalate	BRL	mg/kg dry	0.42	0.059	1	8270D	7/22/15 7:38	JMV	P5G0361
Di-n-octyl phthalate	BRL	mg/kg dry	0.42	0.051	1	8270D	7/22/15 7:38	JMV	P5G0361
Fluoranthene	BRL	mg/kg dry	0.42	0.053	1	8270D	7/22/15 7:38	JMV	P5G0361
Fluorene	BRL	mg/kg dry	0.42	0.060	1	8270D	7/22/15 7:38	JMV	P5G0361
Hexachlorobenzene	BRL	mg/kg dry	0.42	0.066	1	8270D	7/22/15 7:38	JMV	P5G0361
Hexachlorobutadiene	BRL	mg/kg dry	0.42	0.075	1	8270D	7/22/15 7:38	JMV	P5G0361
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.42	0.075	1	8270D	7/22/15 7:38	JMV	P5G0361
Hexachloroethane	BRL	mg/kg dry	0.42	0.070	1	8270D	7/22/15 7:38	JMV	P5G0361
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.42	0.048	1	8270D	7/22/15 7:38	JMV	P5G0361
Isophorone	BRL	mg/kg dry	0.42	0.057	1	8270D	7/22/15 7:38	JMV	P5G0361
Naphthalene	BRL	mg/kg dry	0.42	0.067	1	8270D	7/22/15 7:38	JMV	P5G0361
Nitrobenzene	BRL	mg/kg dry	0.42	0.059	1	8270D	7/22/15 7:38	JMV	P5G0361
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.42	0.066	1	8270D	7/22/15 7:38	JMV	P5G0361
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.42	0.064	1	8270D	7/22/15 7:38	JMV	P5G0361
Pentachlorophenol	BRL	mg/kg dry	0.42	0.049	1	8270D	7/22/15 7:38	JMV	P5G0361
Phenanthrene	BRL	mg/kg dry	0.42	0.054	1	8270D	7/22/15 7:38	JMV	P5G0361
Phenol	BRL	mg/kg dry	0.42	0.062	1	8270D	7/22/15 7:38	JMV	P5G0361
Pyrene	BRL	mg/kg dry	0.42	0.055	1	8270D	7/22/15 7:38	JMV	P5G0361

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*103 %*	*39-132*
2-Fluorobiphenyl	*104 %*	*44-115*
2-Fluorophenol	*114 %*	*35-115*
Nitrobenzene-d5	*96 %*	*37-122*
Phenol-d5	*114 %*	*34-121*
Terphenyl-d14	*108 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0039	0.00032	1	8260B	7/24/15 23:32	MSC	P5G0461
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/24/15 23:32	MSC	P5G0461
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0039	0.00027	1	8260B	7/24/15 23:32	MSC	P5G0461
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0039	0.00035	1	8260B	7/24/15 23:32	MSC	P5G0461
1,1-Dichloroethane	BRL	mg/kg dry	0.0039	0.00011	1	8260B	7/24/15 23:32	MSC	P5G0461
1,1-Dichloroethylene	BRL	mg/kg dry	0.0039	0.00017	1	8260B	7/24/15 23:32	MSC	P5G0461
1,1-Dichloropropylene	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/24/15 23:32	MSC	P5G0461
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/24/15 23:32	MSC	P5G0461
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0039	0.00050	1	8260B	7/24/15 23:32	MSC	P5G0461
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0039	0.00029	1	8260B	7/24/15 23:32	MSC	P5G0461
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0039	0.00030	1	8260B	7/24/15 23:32	MSC	P5G0461

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-3 (2-3)
Prism Sample ID: 5070367-03
Prism Work Order: 5070367
Time Collected: 07/16/15 15:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dibromoethane	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/24/15 23:32	MSC	P5G0461
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0039	0.00018	1	8260B	7/24/15 23:32	MSC	P5G0461
1,2-Dichloroethane	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/24/15 23:32	MSC	P5G0461
1,2-Dichloropropane	BRL	mg/kg dry	0.0039	0.00024	1	8260B	7/24/15 23:32	MSC	P5G0461
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0039	0.00030	1	8260B	7/24/15 23:32	MSC	P5G0461
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0039	0.00026	1	8260B	7/24/15 23:32	MSC	P5G0461
1,3-Dichloropropane	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/24/15 23:32	MSC	P5G0461
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0039	0.00015	1	8260B	7/24/15 23:32	MSC	P5G0461
2,2-Dichloropropane	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/24/15 23:32	MSC	P5G0461
2-Chlorotoluene	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/24/15 23:32	MSC	P5G0461
4-Chlorotoluene	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/24/15 23:32	MSC	P5G0461
4-Isopropyltoluene	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/24/15 23:32	MSC	P5G0461
Acetone	BRL	mg/kg dry	0.039	0.00096	1	8260B	7/24/15 23:32	MSC	P5G0461
Benzene	BRL	mg/kg dry	0.0024	0.00023	1	8260B	7/24/15 23:32	MSC	P5G0461
Bromobenzene	BRL	mg/kg dry	0.0039	0.00033	1	8260B	7/24/15 23:32	MSC	P5G0461
Bromochloromethane	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/24/15 23:32	MSC	P5G0461
Bromodichloromethane	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/24/15 23:32	MSC	P5G0461
Bromoform	BRL	mg/kg dry	0.0039	0.00045	1	8260B	7/24/15 23:32	MSC	P5G0461
Bromomethane	BRL	mg/kg dry	0.0079	0.00049	1	8260B	7/24/15 23:32	MSC	P5G0461
Carbon Tetrachloride	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/24/15 23:32	MSC	P5G0461
Chlorobenzene	BRL	mg/kg dry	0.0039	0.00021	1	8260B	7/24/15 23:32	MSC	P5G0461
Chloroethane	BRL	mg/kg dry	0.0079	0.00033	1	8260B	7/24/15 23:32	MSC	P5G0461
Chloroform	BRL	mg/kg dry	0.0039	0.00028	1	8260B	7/24/15 23:32	MSC	P5G0461
Chloromethane	BRL	mg/kg dry	0.0039	0.00026	1	8260B	7/24/15 23:32	MSC	P5G0461
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0039	0.00017	1	8260B	7/24/15 23:32	MSC	P5G0461
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0039	0.00013	1	8260B	7/24/15 23:32	MSC	P5G0461
Dibromochloromethane	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/24/15 23:32	MSC	P5G0461
Dichlorodifluoromethane	BRL	mg/kg dry	0.0039	0.00018	1	8260B	7/24/15 23:32	MSC	P5G0461
Ethylbenzene	BRL	mg/kg dry	0.0039	0.00015	1	8260B	7/24/15 23:32	MSC	P5G0461
Isopropyl Ether	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/24/15 23:32	MSC	P5G0461
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/24/15 23:32	MSC	P5G0461
m,p-Xylenes	BRL	mg/kg dry	0.0079	0.00036	1	8260B	7/24/15 23:32	MSC	P5G0461
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.039	0.00036	1	8260B	7/24/15 23:32	MSC	P5G0461
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.079	0.00036	1	8260B	7/24/15 23:32	MSC	P5G0461
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.039	0.00034	1	8260B	7/24/15 23:32	MSC	P5G0461
Methylene Chloride	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/24/15 23:32	MSC	P5G0461
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0079	0.00013	1	8260B	7/24/15 23:32	MSC	P5G0461
Naphthalene	BRL	mg/kg dry	0.0079	0.00012	1	8260B	7/24/15 23:32	MSC	P5G0461
n-Butylbenzene	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/24/15 23:32	MSC	P5G0461
n-Propylbenzene	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/24/15 23:32	MSC	P5G0461
o-Xylene	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/24/15 23:32	MSC	P5G0461
sec-Butylbenzene	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/24/15 23:32	MSC	P5G0461
Styrene	BRL	mg/kg dry	0.0039	0.00024	1	8260B	7/24/15 23:32	MSC	P5G0461

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-3 (2-3)
Prism Sample ID: 5070367-03
Prism Work Order: 5070367
Time Collected: 07/16/15 15:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
tert-Butylbenzene	BRL	mg/kg dry	0.0039	0.00013	1	8260B	7/24/15 23:32	MSC	P5G0461
Tetrachloroethylene	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/24/15 23:32	MSC	P5G0461
Toluene	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/24/15 23:32	MSC	P5G0461
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0039	0.00024	1	8260B	7/24/15 23:32	MSC	P5G0461
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0039	0.00021	1	8260B	7/24/15 23:32	MSC	P5G0461
Trichloroethylene	BRL	mg/kg dry	0.0039	0.00025	1	8260B	7/24/15 23:32	MSC	P5G0461
Trichlorofluoromethane	BRL	mg/kg dry	0.0039	0.00025	1	8260B	7/24/15 23:32	MSC	P5G0461
Vinyl acetate	BRL	mg/kg dry	0.020	0.00054	1	8260B	7/24/15 23:32	MSC	P5G0461
Vinyl chloride	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/24/15 23:32	MSC	P5G0461
Xylenes, total	BRL	mg/kg dry	0.012	0.00074	1	8260B	7/24/15 23:32	MSC	P5G0461

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*110 %*	*70-130*
Dibromofluoromethane	*105 %*	*84-123*
Toluene-d8	*102 %*	*76-129*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-4 (8-10)
Prism Sample ID: 5070367-04
Prism Work Order: 5070367
Time Collected: 07/15/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**60.3**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.55	0.085	1	8270D	7/22/15 8:00	JMV	P5G0361
1,2-Dichlorobenzene	BRL	mg/kg dry	0.55	0.083	1	8270D	7/22/15 8:00	JMV	P5G0361
1,3-Dichlorobenzene	BRL	mg/kg dry	0.55	0.077	1	8270D	7/22/15 8:00	JMV	P5G0361
1,4-Dichlorobenzene	BRL	mg/kg dry	0.55	0.080	1	8270D	7/22/15 8:00	JMV	P5G0361
1-Methylnaphthalene	BRL	mg/kg dry	0.55	0.11	1	8270D	7/22/15 8:00	JMV	P5G0361
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.55	0.10	1	8270D	7/22/15 8:00	JMV	P5G0361
2,4-Dichlorophenol	BRL	mg/kg dry	0.55	0.11	1	8270D	7/22/15 8:00	JMV	P5G0361
2,4-Dimethylphenol	BRL	mg/kg dry	0.55	0.084	1	8270D	7/22/15 8:00	JMV	P5G0361
2,4-Dinitrophenol	BRL	mg/kg dry	0.55	0.076	1	8270D	7/22/15 8:00	JMV	P5G0361
2,4-Dinitrotoluene	BRL	mg/kg dry	0.55	0.066	1	8270D	7/22/15 8:00	JMV	P5G0361
2,6-Dinitrotoluene	BRL	mg/kg dry	0.55	0.073	1	8270D	7/22/15 8:00	JMV	P5G0361
2-Chloronaphthalene	BRL	mg/kg dry	0.55	0.079	1	8270D	7/22/15 8:00	JMV	P5G0361
2-Chlorophenol	BRL	mg/kg dry	0.55	0.078	1	8270D	7/22/15 8:00	JMV	P5G0361
2-Methylnaphthalene	BRL	mg/kg dry	0.55	0.088	1	8270D	7/22/15 8:00	JMV	P5G0361
2-Methylphenol	BRL	mg/kg dry	0.55	0.070	1	8270D	7/22/15 8:00	JMV	P5G0361
2-Nitrophenol	BRL	mg/kg dry	0.55	0.10	1	8270D	7/22/15 8:00	JMV	P5G0361
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.55	0.11	1	8270D	7/22/15 8:00	JMV	P5G0361
3/4-Methylphenol	BRL	mg/kg dry	0.55	0.067	1	8270D	7/22/15 8:00	JMV	P5G0361
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.55	0.082	1	8270D	7/22/15 8:00	JMV	P5G0361
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.55	0.094	1	8270D	7/22/15 8:00	JMV	P5G0361
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.55	0.077	1	8270D	7/22/15 8:00	JMV	P5G0361
4-Chloroaniline	BRL	mg/kg dry	0.55	0.066	1	8270D	7/22/15 8:00	JMV	P5G0361
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.55	0.071	1	8270D	7/22/15 8:00	JMV	P5G0361
4-Nitrophenol	BRL	mg/kg dry	0.55	0.084	1	8270D	7/22/15 8:00	JMV	P5G0361
Acenaphthene	BRL A	mg/kg dry	0.55	0.074	1	8270D	7/22/15 8:00	JMV	P5G0361
Acenaphthylene	BRL	mg/kg dry	0.55	0.079	1	8270D	7/22/15 8:00	JMV	P5G0361
Anthracene	BRL	mg/kg dry	0.55	0.088	1	8270D	7/22/15 8:00	JMV	P5G0361
Azobenzene	BRL	mg/kg dry	0.55	0.072	1	8270D	7/22/15 8:00	JMV	P5G0361
Benzo(a)anthracene	BRL	mg/kg dry	0.55	0.072	1	8270D	7/22/15 8:00	JMV	P5G0361
Benzo(a)pyrene	BRL	mg/kg dry	0.55	0.059	1	8270D	7/22/15 8:00	JMV	P5G0361
Benzo(b)fluoranthene	BRL	mg/kg dry	0.55	0.063	1	8270D	7/22/15 8:00	JMV	P5G0361
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.55	0.060	1	8270D	7/22/15 8:00	JMV	P5G0361
Benzo(k)fluoranthene	BRL	mg/kg dry	0.55	0.072	1	8270D	7/22/15 8:00	JMV	P5G0361
Benzoic Acid	BRL	mg/kg dry	0.55	0.046	1	8270D	7/22/15 8:00	JMV	P5G0361
Benzyl alcohol	BRL	mg/kg dry	0.55	0.072	1	8270D	7/22/15 8:00	JMV	P5G0361
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.55	0.095	1	8270D	7/22/15 8:00	JMV	P5G0361
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.55	0.077	1	8270D	7/22/15 8:00	JMV	P5G0361
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.55	0.093	1	8270D	7/22/15 8:00	JMV	P5G0361
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.55	0.081	1	8270D	7/22/15 8:00	JMV	P5G0361

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-4 (8-10)
Prism Sample ID: 5070367-04
Prism Work Order: 5070367
Time Collected: 07/15/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.55	0.078	1	8270D	7/22/15 8:00	JMV	P5G0361
Chrysene	BRL	mg/kg dry	0.55	0.069	1	8270D	7/22/15 8:00	JMV	P5G0361
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.55	0.067	1	8270D	7/22/15 8:00	JMV	P5G0361
Dibenzofuran	BRL	mg/kg dry	0.55	0.083	1	8270D	7/22/15 8:00	JMV	P5G0361
Diethyl phthalate	BRL	mg/kg dry	0.55	0.075	1	8270D	7/22/15 8:00	JMV	P5G0361
Dimethyl phthalate	BRL	mg/kg dry	0.55	0.072	1	8270D	7/22/15 8:00	JMV	P5G0361
Di-n-butyl phthalate	BRL	mg/kg dry	0.55	0.078	1	8270D	7/22/15 8:00	JMV	P5G0361
Di-n-octyl phthalate	BRL	mg/kg dry	0.55	0.067	1	8270D	7/22/15 8:00	JMV	P5G0361
Fluoranthene	BRL	mg/kg dry	0.55	0.070	1	8270D	7/22/15 8:00	JMV	P5G0361
Fluorene	BRL	mg/kg dry	0.55	0.079	1	8270D	7/22/15 8:00	JMV	P5G0361
Hexachlorobenzene	BRL	mg/kg dry	0.55	0.087	1	8270D	7/22/15 8:00	JMV	P5G0361
Hexachlorobutadiene	BRL	mg/kg dry	0.55	0.098	1	8270D	7/22/15 8:00	JMV	P5G0361
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.55	0.098	1	8270D	7/22/15 8:00	JMV	P5G0361
Hexachloroethane	BRL	mg/kg dry	0.55	0.092	1	8270D	7/22/15 8:00	JMV	P5G0361
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.55	0.063	1	8270D	7/22/15 8:00	JMV	P5G0361
Isophorone	BRL	mg/kg dry	0.55	0.074	1	8270D	7/22/15 8:00	JMV	P5G0361
Naphthalene	BRL	mg/kg dry	0.55	0.088	1	8270D	7/22/15 8:00	JMV	P5G0361
Nitrobenzene	BRL	mg/kg dry	0.55	0.078	1	8270D	7/22/15 8:00	JMV	P5G0361
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.55	0.086	1	8270D	7/22/15 8:00	JMV	P5G0361
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.55	0.083	1	8270D	7/22/15 8:00	JMV	P5G0361
Pentachlorophenol	BRL	mg/kg dry	0.55	0.065	1	8270D	7/22/15 8:00	JMV	P5G0361
Phenanthrene	BRL	mg/kg dry	0.55	0.071	1	8270D	7/22/15 8:00	JMV	P5G0361
Phenol	BRL	mg/kg dry	0.55	0.081	1	8270D	7/22/15 8:00	JMV	P5G0361
Pyrene	BRL	mg/kg dry	0.55	0.072	1	8270D	7/22/15 8:00	JMV	P5G0361

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*104 %*	*39-132*
2-Fluorobiphenyl	*92 %*	*44-115*
2-Fluorophenol	*109 %*	*35-115*
Nitrobenzene-d5	*90 %*	*37-122*
Phenol-d5	*109 %*	*34-121*
Terphenyl-d14	*106 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0043	0.00035	1	8260B	7/25/15 0:04	MSC	P5G0461
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0043	0.00021	1	8260B	7/25/15 0:04	MSC	P5G0461
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0043	0.00029	1	8260B	7/25/15 0:04	MSC	P5G0461
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0043	0.00038	1	8260B	7/25/15 0:04	MSC	P5G0461
1,1-Dichloroethane	BRL	mg/kg dry	0.0043	0.00012	1	8260B	7/25/15 0:04	MSC	P5G0461
1,1-Dichloroethylene	BRL	mg/kg dry	0.0043	0.00019	1	8260B	7/25/15 0:04	MSC	P5G0461
1,1-Dichloropropylene	BRL	mg/kg dry	0.0043	0.00024	1	8260B	7/25/15 0:04	MSC	P5G0461
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0043	0.00024	1	8260B	7/25/15 0:04	MSC	P5G0461
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0043	0.00055	1	8260B	7/25/15 0:04	MSC	P5G0461
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0043	0.00032	1	8260B	7/25/15 0:04	MSC	P5G0461
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0043	0.00033	1	8260B	7/25/15 0:04	MSC	P5G0461

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-4 (8-10)
Prism Sample ID: 5070367-04
Prism Work Order: 5070367
Time Collected: 07/15/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dibromoethane	BRL	mg/kg dry	0.0043	0.00017	1	8260B	7/25/15 0:04	MSC	P5G0461
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0043	0.00020	1	8260B	7/25/15 0:04	MSC	P5G0461
1,2-Dichloroethane	BRL	mg/kg dry	0.0043	0.00026	1	8260B	7/25/15 0:04	MSC	P5G0461
1,2-Dichloropropane	BRL	mg/kg dry	0.0043	0.00027	1	8260B	7/25/15 0:04	MSC	P5G0461
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0043	0.00032	1	8260B	7/25/15 0:04	MSC	P5G0461
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0043	0.00028	1	8260B	7/25/15 0:04	MSC	P5G0461
1,3-Dichloropropane	BRL	mg/kg dry	0.0043	0.00022	1	8260B	7/25/15 0:04	MSC	P5G0461
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0043	0.00017	1	8260B	7/25/15 0:04	MSC	P5G0461
2,2-Dichloropropane	BRL	mg/kg dry	0.0043	0.00020	1	8260B	7/25/15 0:04	MSC	P5G0461
2-Chlorotoluene	BRL	mg/kg dry	0.0043	0.00022	1	8260B	7/25/15 0:04	MSC	P5G0461
4-Chlorotoluene	BRL	mg/kg dry	0.0043	0.00026	1	8260B	7/25/15 0:04	MSC	P5G0461
4-Isopropyltoluene	BRL	mg/kg dry	0.0043	0.00021	1	8260B	7/25/15 0:04	MSC	P5G0461
Acetone	BRL	mg/kg dry	0.043	0.0010	1	8260B	7/25/15 0:04	MSC	P5G0461
Benzene	BRL	mg/kg dry	0.0026	0.00025	1	8260B	7/25/15 0:04	MSC	P5G0461
Bromobenzene	BRL	mg/kg dry	0.0043	0.00036	1	8260B	7/25/15 0:04	MSC	P5G0461
Bromochloromethane	BRL	mg/kg dry	0.0043	0.00024	1	8260B	7/25/15 0:04	MSC	P5G0461
Bromodichloromethane	BRL	mg/kg dry	0.0043	0.00024	1	8260B	7/25/15 0:04	MSC	P5G0461
Bromoform	BRL	mg/kg dry	0.0043	0.00049	1	8260B	7/25/15 0:04	MSC	P5G0461
Bromomethane	BRL	mg/kg dry	0.0086	0.00053	1	8260B	7/25/15 0:04	MSC	P5G0461
Carbon Tetrachloride	BRL	mg/kg dry	0.0043	0.00021	1	8260B	7/25/15 0:04	MSC	P5G0461
Chlorobenzene	BRL	mg/kg dry	0.0043	0.00023	1	8260B	7/25/15 0:04	MSC	P5G0461
Chloroethane	BRL	mg/kg dry	0.0086	0.00036	1	8260B	7/25/15 0:04	MSC	P5G0461
Chloroform	BRL	mg/kg dry	0.0043	0.00031	1	8260B	7/25/15 0:04	MSC	P5G0461
Chloromethane	BRL	mg/kg dry	0.0043	0.00029	1	8260B	7/25/15 0:04	MSC	P5G0461
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0043	0.00018	1	8260B	7/25/15 0:04	MSC	P5G0461
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0043	0.00014	1	8260B	7/25/15 0:04	MSC	P5G0461
Dibromochloromethane	BRL	mg/kg dry	0.0043	0.00018	1	8260B	7/25/15 0:04	MSC	P5G0461
Dichlorodifluoromethane	BRL	mg/kg dry	0.0043	0.00020	1	8260B	7/25/15 0:04	MSC	P5G0461
Ethylbenzene	BRL	mg/kg dry	0.0043	0.00017	1	8260B	7/25/15 0:04	MSC	P5G0461
Isopropyl Ether	BRL	mg/kg dry	0.0043	0.00018	1	8260B	7/25/15 0:04	MSC	P5G0461
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0043	0.00025	1	8260B	7/25/15 0:04	MSC	P5G0461
m,p-Xylenes	BRL	mg/kg dry	0.0086	0.00040	1	8260B	7/25/15 0:04	MSC	P5G0461
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.043	0.00039	1	8260B	7/25/15 0:04	MSC	P5G0461
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.086	0.00039	1	8260B	7/25/15 0:04	MSC	P5G0461
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.043	0.00037	1	8260B	7/25/15 0:04	MSC	P5G0461
Methylene Chloride	BRL	mg/kg dry	0.0043	0.00024	1	8260B	7/25/15 0:04	MSC	P5G0461
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0086	0.00014	1	8260B	7/25/15 0:04	MSC	P5G0461
Naphthalene	BRL	mg/kg dry	0.0086	0.00014	1	8260B	7/25/15 0:04	MSC	P5G0461
n-Butylbenzene	BRL	mg/kg dry	0.0043	0.00022	1	8260B	7/25/15 0:04	MSC	P5G0461
n-Propylbenzene	BRL	mg/kg dry	0.0043	0.00026	1	8260B	7/25/15 0:04	MSC	P5G0461
o-Xylene	BRL	mg/kg dry	0.0043	0.00018	1	8260B	7/25/15 0:04	MSC	P5G0461
sec-Butylbenzene	BRL	mg/kg dry	0.0043	0.00021	1	8260B	7/25/15 0:04	MSC	P5G0461
Styrene	BRL	mg/kg dry	0.0043	0.00026	1	8260B	7/25/15 0:04	MSC	P5G0461

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-4 (8-10)
Prism Sample ID: 5070367-04
Prism Work Order: 5070367
Time Collected: 07/15/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
tert-Butylbenzene	BRL	mg/kg dry	0.0043	0.00015	1	8260B	7/25/15 0:04	MSC	P5G0461
Tetrachloroethylene	BRL	mg/kg dry	0.0043	0.00020	1	8260B	7/25/15 0:04	MSC	P5G0461
Toluene	BRL	mg/kg dry	0.0043	0.00025	1	8260B	7/25/15 0:04	MSC	P5G0461
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0043	0.00026	1	8260B	7/25/15 0:04	MSC	P5G0461
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0043	0.00023	1	8260B	7/25/15 0:04	MSC	P5G0461
Trichloroethylene	BRL	mg/kg dry	0.0043	0.00028	1	8260B	7/25/15 0:04	MSC	P5G0461
Trichlorofluoromethane	BRL	mg/kg dry	0.0043	0.00028	1	8260B	7/25/15 0:04	MSC	P5G0461
Vinyl acetate	BRL	mg/kg dry	0.021	0.00059	1	8260B	7/25/15 0:04	MSC	P5G0461
Vinyl chloride	BRL	mg/kg dry	0.0043	0.00021	1	8260B	7/25/15 0:04	MSC	P5G0461
Xylenes, total	BRL	mg/kg dry	0.013	0.00081	1	8260B	7/25/15 0:04	MSC	P5G0461

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*111 %*	*70-130*
Dibromofluoromethane	*106 %*	*84-123*
Toluene-d8	*103 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-5 (1-3)
Prism Sample ID: 5070367-05
Prism Work Order: 5070367
Time Collected: 07/15/15 09:20
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**76.2**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.43	0.068	1	8270D	7/22/15 8:21	JMV	P5G0361
1,2-Dichlorobenzene	BRL	mg/kg dry	0.43	0.066	1	8270D	7/22/15 8:21	JMV	P5G0361
1,3-Dichlorobenzene	BRL	mg/kg dry	0.43	0.061	1	8270D	7/22/15 8:21	JMV	P5G0361
1,4-Dichlorobenzene	BRL	mg/kg dry	0.43	0.063	1	8270D	7/22/15 8:21	JMV	P5G0361
1-Methylnaphthalene	BRL	mg/kg dry	0.43	0.083	1	8270D	7/22/15 8:21	JMV	P5G0361
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.43	0.081	1	8270D	7/22/15 8:21	JMV	P5G0361
2,4-Dichlorophenol	BRL	mg/kg dry	0.43	0.084	1	8270D	7/22/15 8:21	JMV	P5G0361
2,4-Dimethylphenol	BRL	mg/kg dry	0.43	0.066	1	8270D	7/22/15 8:21	JMV	P5G0361
2,4-Dinitrophenol	BRL	mg/kg dry	0.43	0.060	1	8270D	7/22/15 8:21	JMV	P5G0361
2,4-Dinitrotoluene	BRL	mg/kg dry	0.43	0.053	1	8270D	7/22/15 8:21	JMV	P5G0361
2,6-Dinitrotoluene	BRL	mg/kg dry	0.43	0.058	1	8270D	7/22/15 8:21	JMV	P5G0361
2-Chloronaphthalene	BRL	mg/kg dry	0.43	0.063	1	8270D	7/22/15 8:21	JMV	P5G0361
2-Chlorophenol	BRL	mg/kg dry	0.43	0.061	1	8270D	7/22/15 8:21	JMV	P5G0361
2-Methylnaphthalene	BRL	mg/kg dry	0.43	0.069	1	8270D	7/22/15 8:21	JMV	P5G0361
2-Methylphenol	BRL	mg/kg dry	0.43	0.055	1	8270D	7/22/15 8:21	JMV	P5G0361
2-Nitrophenol	BRL	mg/kg dry	0.43	0.079	1	8270D	7/22/15 8:21	JMV	P5G0361
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.43	0.085	1	8270D	7/22/15 8:21	JMV	P5G0361
3/4-Methylphenol	BRL	mg/kg dry	0.43	0.053	1	8270D	7/22/15 8:21	JMV	P5G0361
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.43	0.065	1	8270D	7/22/15 8:21	JMV	P5G0361
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.43	0.074	1	8270D	7/22/15 8:21	JMV	P5G0361
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.43	0.061	1	8270D	7/22/15 8:21	JMV	P5G0361
4-Chloroaniline	BRL	mg/kg dry	0.43	0.052	1	8270D	7/22/15 8:21	JMV	P5G0361
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.43	0.056	1	8270D	7/22/15 8:21	JMV	P5G0361
4-Nitrophenol	BRL	mg/kg dry	0.43	0.067	1	8270D	7/22/15 8:21	JMV	P5G0361
Acenaphthene	BRL A	mg/kg dry	0.43	0.059	1	8270D	7/22/15 8:21	JMV	P5G0361
Acenaphthylene	BRL	mg/kg dry	0.43	0.063	1	8270D	7/22/15 8:21	JMV	P5G0361
Anthracene	BRL	mg/kg dry	0.43	0.070	1	8270D	7/22/15 8:21	JMV	P5G0361
Azobenzene	BRL	mg/kg dry	0.43	0.057	1	8270D	7/22/15 8:21	JMV	P5G0361
Benzo(a)anthracene	BRL	mg/kg dry	0.43	0.057	1	8270D	7/22/15 8:21	JMV	P5G0361
Benzo(a)pyrene	BRL	mg/kg dry	0.43	0.047	1	8270D	7/22/15 8:21	JMV	P5G0361
Benzo(b)fluoranthene	BRL	mg/kg dry	0.43	0.050	1	8270D	7/22/15 8:21	JMV	P5G0361
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.43	0.047	1	8270D	7/22/15 8:21	JMV	P5G0361
Benzo(k)fluoranthene	BRL	mg/kg dry	0.43	0.057	1	8270D	7/22/15 8:21	JMV	P5G0361
Benzoic Acid	BRL	mg/kg dry	0.43	0.036	1	8270D	7/22/15 8:21	JMV	P5G0361
Benzyl alcohol	BRL	mg/kg dry	0.43	0.057	1	8270D	7/22/15 8:21	JMV	P5G0361
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.43	0.075	1	8270D	7/22/15 8:21	JMV	P5G0361
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.43	0.061	1	8270D	7/22/15 8:21	JMV	P5G0361
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.43	0.074	1	8270D	7/22/15 8:21	JMV	P5G0361
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.43	0.064	1	8270D	7/22/15 8:21	JMV	P5G0361

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-5 (1-3)
Prism Sample ID: 5070367-05
Prism Work Order: 5070367
Time Collected: 07/15/15 09:20
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.43	0.062	1	8270D	7/22/15 8:21	JMV	P5G0361
Chrysene	BRL	mg/kg dry	0.43	0.055	1	8270D	7/22/15 8:21	JMV	P5G0361
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.43	0.053	1	8270D	7/22/15 8:21	JMV	P5G0361
Dibenzofuran	BRL	mg/kg dry	0.43	0.066	1	8270D	7/22/15 8:21	JMV	P5G0361
Diethyl phthalate	BRL	mg/kg dry	0.43	0.060	1	8270D	7/22/15 8:21	JMV	P5G0361
Dimethyl phthalate	BRL	mg/kg dry	0.43	0.057	1	8270D	7/22/15 8:21	JMV	P5G0361
Di-n-butyl phthalate	BRL	mg/kg dry	0.43	0.061	1	8270D	7/22/15 8:21	JMV	P5G0361
Di-n-octyl phthalate	BRL	mg/kg dry	0.43	0.053	1	8270D	7/22/15 8:21	JMV	P5G0361
Fluoranthene	BRL	mg/kg dry	0.43	0.055	1	8270D	7/22/15 8:21	JMV	P5G0361
Fluorene	BRL	mg/kg dry	0.43	0.062	1	8270D	7/22/15 8:21	JMV	P5G0361
Hexachlorobenzene	BRL	mg/kg dry	0.43	0.069	1	8270D	7/22/15 8:21	JMV	P5G0361
Hexachlorobutadiene	BRL	mg/kg dry	0.43	0.078	1	8270D	7/22/15 8:21	JMV	P5G0361
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.43	0.077	1	8270D	7/22/15 8:21	JMV	P5G0361
Hexachloroethane	BRL	mg/kg dry	0.43	0.073	1	8270D	7/22/15 8:21	JMV	P5G0361
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.43	0.050	1	8270D	7/22/15 8:21	JMV	P5G0361
Isophorone	BRL	mg/kg dry	0.43	0.059	1	8270D	7/22/15 8:21	JMV	P5G0361
Naphthalene	BRL	mg/kg dry	0.43	0.070	1	8270D	7/22/15 8:21	JMV	P5G0361
Nitrobenzene	BRL	mg/kg dry	0.43	0.061	1	8270D	7/22/15 8:21	JMV	P5G0361
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.43	0.068	1	8270D	7/22/15 8:21	JMV	P5G0361
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.43	0.066	1	8270D	7/22/15 8:21	JMV	P5G0361
Pentachlorophenol	BRL	mg/kg dry	0.43	0.051	1	8270D	7/22/15 8:21	JMV	P5G0361
Phenanthrene	BRL	mg/kg dry	0.43	0.056	1	8270D	7/22/15 8:21	JMV	P5G0361
Phenol	BRL	mg/kg dry	0.43	0.064	1	8270D	7/22/15 8:21	JMV	P5G0361
Pyrene	BRL	mg/kg dry	0.43	0.057	1	8270D	7/22/15 8:21	JMV	P5G0361

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*106 %*	*39-132*
2-Fluorobiphenyl	*101 %*	*44-115*
2-Fluorophenol	*106 %*	*35-115*
Nitrobenzene-d5	*92 %*	*37-122*
Phenol-d5	*108 %*	*34-121*
Terphenyl-d14	*108 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0039	0.00032	1	8260B	7/25/15 0:35	MSC	P5G0461
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/25/15 0:35	MSC	P5G0461
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0039	0.00026	1	8260B	7/25/15 0:35	MSC	P5G0461
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0039	0.00034	1	8260B	7/25/15 0:35	MSC	P5G0461
1,1-Dichloroethane	BRL	mg/kg dry	0.0039	0.00011	1	8260B	7/25/15 0:35	MSC	P5G0461
1,1-Dichloroethylene	BRL	mg/kg dry	0.0039	0.00017	1	8260B	7/25/15 0:35	MSC	P5G0461
1,1-Dichloropropylene	BRL	mg/kg dry	0.0039	0.00021	1	8260B	7/25/15 0:35	MSC	P5G0461
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/25/15 0:35	MSC	P5G0461
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0039	0.00049	1	8260B	7/25/15 0:35	MSC	P5G0461
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0039	0.00029	1	8260B	7/25/15 0:35	MSC	P5G0461
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0039	0.00029	1	8260B	7/25/15 0:35	MSC	P5G0461

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-5 (1-3)
Prism Sample ID: 5070367-05
Prism Work Order: 5070367
Time Collected: 07/15/15 09:20
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dibromoethane	BRL	mg/kg dry	0.0039	0.00015	1	8260B	7/25/15 0:35	MSC	P5G0461
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0039	0.00018	1	8260B	7/25/15 0:35	MSC	P5G0461
1,2-Dichloroethane	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/25/15 0:35	MSC	P5G0461
1,2-Dichloropropane	BRL	mg/kg dry	0.0039	0.00024	1	8260B	7/25/15 0:35	MSC	P5G0461
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0039	0.00029	1	8260B	7/25/15 0:35	MSC	P5G0461
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0039	0.00026	1	8260B	7/25/15 0:35	MSC	P5G0461
1,3-Dichloropropane	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/25/15 0:35	MSC	P5G0461
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0039	0.00015	1	8260B	7/25/15 0:35	MSC	P5G0461
2,2-Dichloropropane	BRL	mg/kg dry	0.0039	0.00018	1	8260B	7/25/15 0:35	MSC	P5G0461
2-Chlorotoluene	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/25/15 0:35	MSC	P5G0461
4-Chlorotoluene	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/25/15 0:35	MSC	P5G0461
4-Isopropyltoluene	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/25/15 0:35	MSC	P5G0461
Acetone	**0.11**	**mg/kg dry**	**0.039**	**0.00094**	**1**	**8260B**	**7/25/15 0:35**	**MSC**	**P5G0461**
Benzene	BRL	mg/kg dry	0.0023	0.00022	1	8260B	7/25/15 0:35	MSC	P5G0461
Bromobenzene	BRL	mg/kg dry	0.0039	0.00032	1	8260B	7/25/15 0:35	MSC	P5G0461
Bromochloromethane	BRL	mg/kg dry	0.0039	0.00021	1	8260B	7/25/15 0:35	MSC	P5G0461
Bromodichloromethane	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/25/15 0:35	MSC	P5G0461
Bromoform	BRL	mg/kg dry	0.0039	0.00044	1	8260B	7/25/15 0:35	MSC	P5G0461
Bromomethane	BRL	mg/kg dry	0.0077	0.00048	1	8260B	7/25/15 0:35	MSC	P5G0461
Carbon Tetrachloride	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/25/15 0:35	MSC	P5G0461
Chlorobenzene	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/25/15 0:35	MSC	P5G0461
Chloroethane	BRL	mg/kg dry	0.0077	0.00032	1	8260B	7/25/15 0:35	MSC	P5G0461
Chloroform	BRL	mg/kg dry	0.0039	0.00028	1	8260B	7/25/15 0:35	MSC	P5G0461
Chloromethane	BRL	mg/kg dry	0.0039	0.00026	1	8260B	7/25/15 0:35	MSC	P5G0461
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/25/15 0:35	MSC	P5G0461
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0039	0.00013	1	8260B	7/25/15 0:35	MSC	P5G0461
Dibromochloromethane	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/25/15 0:35	MSC	P5G0461
Dichlorodifluoromethane	BRL	mg/kg dry	0.0039	0.00018	1	8260B	7/25/15 0:35	MSC	P5G0461
Ethylbenzene	BRL	mg/kg dry	0.0039	0.00015	1	8260B	7/25/15 0:35	MSC	P5G0461
Isopropyl Ether	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/25/15 0:35	MSC	P5G0461
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/25/15 0:35	MSC	P5G0461
m,p-Xylenes	BRL	mg/kg dry	0.0077	0.00036	1	8260B	7/25/15 0:35	MSC	P5G0461
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.039	0.00035	1	8260B	7/25/15 0:35	MSC	P5G0461
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.077	0.00035	1	8260B	7/25/15 0:35	MSC	P5G0461
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.039	0.00033	1	8260B	7/25/15 0:35	MSC	P5G0461
Methylene Chloride	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/25/15 0:35	MSC	P5G0461
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0077	0.00012	1	8260B	7/25/15 0:35	MSC	P5G0461
Naphthalene	BRL	mg/kg dry	0.0077	0.00012	1	8260B	7/25/15 0:35	MSC	P5G0461
n-Butylbenzene	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/25/15 0:35	MSC	P5G0461
n-Propylbenzene	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/25/15 0:35	MSC	P5G0461
o-Xylene	BRL	mg/kg dry	0.0039	0.00016	1	8260B	7/25/15 0:35	MSC	P5G0461
sec-Butylbenzene	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/25/15 0:35	MSC	P5G0461
Styrene	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/25/15 0:35	MSC	P5G0461

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-5 (1-3)
Prism Sample ID: 5070367-05
Prism Work Order: 5070367
Time Collected: 07/15/15 09:20
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
tert-Butylbenzene	BRL	mg/kg dry	0.0039	0.00013	1	8260B	7/25/15 0:35	MSC	P5G0461
Tetrachloroethylene	BRL	mg/kg dry	0.0039	0.00018	1	8260B	7/25/15 0:35	MSC	P5G0461
Toluene	BRL	mg/kg dry	0.0039	0.00022	1	8260B	7/25/15 0:35	MSC	P5G0461
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0039	0.00023	1	8260B	7/25/15 0:35	MSC	P5G0461
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0039	0.00020	1	8260B	7/25/15 0:35	MSC	P5G0461
Trichloroethylene	BRL	mg/kg dry	0.0039	0.00025	1	8260B	7/25/15 0:35	MSC	P5G0461
Trichlorofluoromethane	BRL	mg/kg dry	0.0039	0.00025	1	8260B	7/25/15 0:35	MSC	P5G0461
Vinyl acetate	BRL	mg/kg dry	0.019	0.00053	1	8260B	7/25/15 0:35	MSC	P5G0461
Vinyl chloride	BRL	mg/kg dry	0.0039	0.00019	1	8260B	7/25/15 0:35	MSC	P5G0461
Xylenes, total	BRL	mg/kg dry	0.012	0.00072	1	8260B	7/25/15 0:35	MSC	P5G0461

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*113 %*	*70-130*
Dibromofluoromethane	*103 %*	*84-123*
Toluene-d8	*100 %*	*76-129*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-6 (4-5)
Prism Sample ID: 5070367-06
Prism Work Order: 5070367
Time Collected: 07/14/15 16:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**78.3**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0042	0.00034	1	8260B	7/25/15 1:06	MSC	P5G0461
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/25/15 1:06	MSC	P5G0461
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0042	0.00028	1	8260B	7/25/15 1:06	MSC	P5G0461
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0042	0.00037	1	8260B	7/25/15 1:06	MSC	P5G0461
1,1-Dichloroethane	BRL	mg/kg dry	0.0042	0.00012	1	8260B	7/25/15 1:06	MSC	P5G0461
1,1-Dichloroethylene	BRL	mg/kg dry	0.0042	0.00018	1	8260B	7/25/15 1:06	MSC	P5G0461
1,1-Dichloropropylene	BRL	mg/kg dry	0.0042	0.00023	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0042	0.00024	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0042	0.00053	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0042	0.00031	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0042	0.00032	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2-Dibromoethane	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2-Dichloroethane	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/25/15 1:06	MSC	P5G0461
1,2-Dichloropropane	BRL	mg/kg dry	0.0042	0.00026	1	8260B	7/25/15 1:06	MSC	P5G0461
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0042	0.00032	1	8260B	7/25/15 1:06	MSC	P5G0461
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0042	0.00028	1	8260B	7/25/15 1:06	MSC	P5G0461
1,3-Dichloropropane	BRL	mg/kg dry	0.0042	0.00021	1	8260B	7/25/15 1:06	MSC	P5G0461
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0042	0.00016	1	8260B	7/25/15 1:06	MSC	P5G0461
2,2-Dichloropropane	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/25/15 1:06	MSC	P5G0461
2-Chlorotoluene	BRL	mg/kg dry	0.0042	0.00022	1	8260B	7/25/15 1:06	MSC	P5G0461
4-Chlorotoluene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/25/15 1:06	MSC	P5G0461
4-Isopropyltoluene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/25/15 1:06	MSC	P5G0461
Acetone	**0.10**	**mg/kg dry**	**0.042**	**0.0010**	**1**	**8260B**	**7/25/15 1:06**	**MSC**	**P5G0461**
Benzene	BRL	mg/kg dry	0.0025	0.00024	1	8260B	7/25/15 1:06	MSC	P5G0461
Bromobenzene	BRL	mg/kg dry	0.0042	0.00035	1	8260B	7/25/15 1:06	MSC	P5G0461
Bromochloromethane	BRL	mg/kg dry	0.0042	0.00023	1	8260B	7/25/15 1:06	MSC	P5G0461
Bromodichloromethane	BRL	mg/kg dry	0.0042	0.00023	1	8260B	7/25/15 1:06	MSC	P5G0461
Bromoform	BRL	mg/kg dry	0.0042	0.00047	1	8260B	7/25/15 1:06	MSC	P5G0461
Bromomethane	BRL	mg/kg dry	0.0084	0.00052	1	8260B	7/25/15 1:06	MSC	P5G0461
Carbon Tetrachloride	BRL	mg/kg dry	0.0042	0.00021	1	8260B	7/25/15 1:06	MSC	P5G0461
Chlorobenzene	BRL	mg/kg dry	0.0042	0.00022	1	8260B	7/25/15 1:06	MSC	P5G0461
Chloroethane	BRL	mg/kg dry	0.0084	0.00035	1	8260B	7/25/15 1:06	MSC	P5G0461
Chloroform	BRL	mg/kg dry	0.0042	0.00030	1	8260B	7/25/15 1:06	MSC	P5G0461
Chloromethane	BRL	mg/kg dry	0.0042	0.00028	1	8260B	7/25/15 1:06	MSC	P5G0461
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0042	0.00018	1	8260B	7/25/15 1:06	MSC	P5G0461
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0042	0.00014	1	8260B	7/25/15 1:06	MSC	P5G0461
Dibromochloromethane	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/25/15 1:06	MSC	P5G0461
Dichlorodifluoromethane	BRL	mg/kg dry	0.0042	0.00019	1	8260B	7/25/15 1:06	MSC	P5G0461

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-6 (4-5)
Prism Sample ID: 5070367-06
Prism Work Order: 5070367
Time Collected: 07/14/15 16:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0042	0.00016	1	8260B	7/25/15 1:06	MSC	P5G0461
Isopropyl Ether	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/25/15 1:06	MSC	P5G0461
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/25/15 1:06	MSC	P5G0461
m,p-Xylenes	BRL	mg/kg dry	0.0084	0.00039	1	8260B	7/25/15 1:06	MSC	P5G0461
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.042	0.00038	1	8260B	7/25/15 1:06	MSC	P5G0461
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.084	0.00038	1	8260B	7/25/15 1:06	MSC	P5G0461
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.042	0.00036	1	8260B	7/25/15 1:06	MSC	P5G0461
Methylene Chloride	BRL	mg/kg dry	0.0042	0.00023	1	8260B	7/25/15 1:06	MSC	P5G0461
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0084	0.00013	1	8260B	7/25/15 1:06	MSC	P5G0461
Naphthalene	BRL	mg/kg dry	0.0084	0.00013	1	8260B	7/25/15 1:06	MSC	P5G0461
n-Butylbenzene	BRL	mg/kg dry	0.0042	0.00021	1	8260B	7/25/15 1:06	MSC	P5G0461
n-Propylbenzene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/25/15 1:06	MSC	P5G0461
o-Xylene	BRL	mg/kg dry	0.0042	0.00017	1	8260B	7/25/15 1:06	MSC	P5G0461
sec-Butylbenzene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/25/15 1:06	MSC	P5G0461
Styrene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/25/15 1:06	MSC	P5G0461
tert-Butylbenzene	BRL	mg/kg dry	0.0042	0.00014	1	8260B	7/25/15 1:06	MSC	P5G0461
Tetrachloroethylene	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/25/15 1:06	MSC	P5G0461
Toluene	BRL	mg/kg dry	0.0042	0.00024	1	8260B	7/25/15 1:06	MSC	P5G0461
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0042	0.00025	1	8260B	7/25/15 1:06	MSC	P5G0461
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0042	0.00022	1	8260B	7/25/15 1:06	MSC	P5G0461
Trichloroethylene	BRL	mg/kg dry	0.0042	0.00027	1	8260B	7/25/15 1:06	MSC	P5G0461
Trichlorofluoromethane	BRL	mg/kg dry	0.0042	0.00027	1	8260B	7/25/15 1:06	MSC	P5G0461
Vinyl acetate	BRL	mg/kg dry	0.021	0.00057	1	8260B	7/25/15 1:06	MSC	P5G0461
Vinyl chloride	BRL	mg/kg dry	0.0042	0.00020	1	8260B	7/25/15 1:06	MSC	P5G0461
Xylenes, total	BRL	mg/kg dry	0.013	0.00078	1	8260B	7/25/15 1:06	MSC	P5G0461

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*109 %*	*70-130*
Dibromofluoromethane	*101 %*	*84-123*
Toluene-d8	*96 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-7 (3-4)
Prism Sample ID: 5070367-07
Prism Work Order: 5070367
Time Collected: 07/17/15 08:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**69.9**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.47	0.074	1	8270D	7/22/15 8:42	JMV	P5G0361
1,2-Dichlorobenzene	BRL	mg/kg dry	0.47	0.072	1	8270D	7/22/15 8:42	JMV	P5G0361
1,3-Dichlorobenzene	BRL	mg/kg dry	0.47	0.067	1	8270D	7/22/15 8:42	JMV	P5G0361
1,4-Dichlorobenzene	BRL	mg/kg dry	0.47	0.069	1	8270D	7/22/15 8:42	JMV	P5G0361
1-Methylnaphthalene	BRL	mg/kg dry	0.47	0.091	1	8270D	7/22/15 8:42	JMV	P5G0361
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.47	0.089	1	8270D	7/22/15 8:42	JMV	P5G0361
2,4-Dichlorophenol	BRL	mg/kg dry	0.47	0.091	1	8270D	7/22/15 8:42	JMV	P5G0361
2,4-Dimethylphenol	BRL	mg/kg dry	0.47	0.072	1	8270D	7/22/15 8:42	JMV	P5G0361
2,4-Dinitrophenol	BRL	mg/kg dry	0.47	0.066	1	8270D	7/22/15 8:42	JMV	P5G0361
2,4-Dinitrotoluene	BRL	mg/kg dry	0.47	0.057	1	8270D	7/22/15 8:42	JMV	P5G0361
2,6-Dinitrotoluene	BRL	mg/kg dry	0.47	0.063	1	8270D	7/22/15 8:42	JMV	P5G0361
2-Chloronaphthalene	BRL	mg/kg dry	0.47	0.068	1	8270D	7/22/15 8:42	JMV	P5G0361
2-Chlorophenol	BRL	mg/kg dry	0.47	0.067	1	8270D	7/22/15 8:42	JMV	P5G0361
2-Methylnaphthalene	BRL	mg/kg dry	0.47	0.076	1	8270D	7/22/15 8:42	JMV	P5G0361
2-Methylphenol	BRL	mg/kg dry	0.47	0.060	1	8270D	7/22/15 8:42	JMV	P5G0361
2-Nitrophenol	BRL	mg/kg dry	0.47	0.086	1	8270D	7/22/15 8:42	JMV	P5G0361
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.47	0.093	1	8270D	7/22/15 8:42	JMV	P5G0361
3/4-Methylphenol	BRL	mg/kg dry	0.47	0.058	1	8270D	7/22/15 8:42	JMV	P5G0361
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.47	0.071	1	8270D	7/22/15 8:42	JMV	P5G0361
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.47	0.081	1	8270D	7/22/15 8:42	JMV	P5G0361
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.47	0.066	1	8270D	7/22/15 8:42	JMV	P5G0361
4-Chloroaniline	BRL	mg/kg dry	0.47	0.057	1	8270D	7/22/15 8:42	JMV	P5G0361
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.47	0.061	1	8270D	7/22/15 8:42	JMV	P5G0361
4-Nitrophenol	BRL	mg/kg dry	0.47	0.073	1	8270D	7/22/15 8:42	JMV	P5G0361
Acenaphthene	BRL A	mg/kg dry	0.47	0.064	1	8270D	7/22/15 8:42	JMV	P5G0361
Acenaphthylene	BRL	mg/kg dry	0.47	0.068	1	8270D	7/22/15 8:42	JMV	P5G0361
Anthracene	BRL	mg/kg dry	0.47	0.076	1	8270D	7/22/15 8:42	JMV	P5G0361
Azobenzene	BRL	mg/kg dry	0.47	0.062	1	8270D	7/22/15 8:42	JMV	P5G0361
Benzo(a)anthracene	BRL	mg/kg dry	0.47	0.062	1	8270D	7/22/15 8:42	JMV	P5G0361
Benzo(a)pyrene	BRL	mg/kg dry	0.47	0.051	1	8270D	7/22/15 8:42	JMV	P5G0361
Benzo(b)fluoranthene	BRL	mg/kg dry	0.47	0.055	1	8270D	7/22/15 8:42	JMV	P5G0361
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.47	0.052	1	8270D	7/22/15 8:42	JMV	P5G0361
Benzo(k)fluoranthene	BRL	mg/kg dry	0.47	0.062	1	8270D	7/22/15 8:42	JMV	P5G0361
Benzoic Acid	BRL	mg/kg dry	0.47	0.040	1	8270D	7/22/15 8:42	JMV	P5G0361
Benzyl alcohol	BRL	mg/kg dry	0.47	0.062	1	8270D	7/22/15 8:42	JMV	P5G0361
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.47	0.082	1	8270D	7/22/15 8:42	JMV	P5G0361
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.47	0.067	1	8270D	7/22/15 8:42	JMV	P5G0361
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.47	0.081	1	8270D	7/22/15 8:42	JMV	P5G0361
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.47	0.070	1	8270D	7/22/15 8:42	JMV	P5G0361

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-7 (3-4)
Prism Sample ID: 5070367-07
Prism Work Order: 5070367
Time Collected: 07/17/15 08:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.47	0.067	1	8270D	7/22/15 8:42	JMV	P5G0361
Chrysene	BRL	mg/kg dry	0.47	0.059	1	8270D	7/22/15 8:42	JMV	P5G0361
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.47	0.057	1	8270D	7/22/15 8:42	JMV	P5G0361
Dibenzofuran	BRL	mg/kg dry	0.47	0.072	1	8270D	7/22/15 8:42	JMV	P5G0361
Diethyl phthalate	BRL	mg/kg dry	0.47	0.065	1	8270D	7/22/15 8:42	JMV	P5G0361
Dimethyl phthalate	BRL	mg/kg dry	0.47	0.062	1	8270D	7/22/15 8:42	JMV	P5G0361
Di-n-butyl phthalate	BRL	mg/kg dry	0.47	0.067	1	8270D	7/22/15 8:42	JMV	P5G0361
Di-n-octyl phthalate	BRL	mg/kg dry	0.47	0.058	1	8270D	7/22/15 8:42	JMV	P5G0361
Fluoranthene	BRL	mg/kg dry	0.47	0.060	1	8270D	7/22/15 8:42	JMV	P5G0361
Fluorene	BRL	mg/kg dry	0.47	0.068	1	8270D	7/22/15 8:42	JMV	P5G0361
Hexachlorobenzene	BRL	mg/kg dry	0.47	0.075	1	8270D	7/22/15 8:42	JMV	P5G0361
Hexachlorobutadiene	BRL	mg/kg dry	0.47	0.085	1	8270D	7/22/15 8:42	JMV	P5G0361
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.47	0.084	1	8270D	7/22/15 8:42	JMV	P5G0361
Hexachloroethane	BRL	mg/kg dry	0.47	0.079	1	8270D	7/22/15 8:42	JMV	P5G0361
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.47	0.054	1	8270D	7/22/15 8:42	JMV	P5G0361
Isophorone	BRL	mg/kg dry	0.47	0.064	1	8270D	7/22/15 8:42	JMV	P5G0361
Naphthalene	BRL	mg/kg dry	0.47	0.076	1	8270D	7/22/15 8:42	JMV	P5G0361
Nitrobenzene	BRL	mg/kg dry	0.47	0.067	1	8270D	7/22/15 8:42	JMV	P5G0361
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.47	0.074	1	8270D	7/22/15 8:42	JMV	P5G0361
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.47	0.072	1	8270D	7/22/15 8:42	JMV	P5G0361
Pentachlorophenol	BRL	mg/kg dry	0.47	0.056	1	8270D	7/22/15 8:42	JMV	P5G0361
Phenanthrene	BRL	mg/kg dry	0.47	0.061	1	8270D	7/22/15 8:42	JMV	P5G0361
Phenol	BRL	mg/kg dry	0.47	0.070	1	8270D	7/22/15 8:42	JMV	P5G0361
Pyrene	BRL	mg/kg dry	0.47	0.062	1	8270D	7/22/15 8:42	JMV	P5G0361

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*108 %*	*39-132*
2-Fluorobiphenyl	*104 %*	*44-115*
2-Fluorophenol	*110 %*	*35-115*
Nitrobenzene-d5	*95 %*	*37-122*
Phenol-d5	*110 %*	*34-121*
Terphenyl-d14	*109 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0061	0.00050	1	8260B	7/27/15 18:49	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0061	0.00030	1	8260B	7/27/15 18:49	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0061	0.00041	1	8260B	7/27/15 18:49	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0061	0.00054	1	8260B	7/27/15 18:49	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0061	0.00017	1	8260B	7/27/15 18:49	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0061	0.00027	1	8260B	7/27/15 18:49	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0061	0.00034	1	8260B	7/27/15 18:49	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0061	0.00035	1	8260B	7/27/15 18:49	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0061	0.00078	1	8260B	7/27/15 18:49	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0061	0.00046	1	8260B	7/27/15 18:49	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0061	0.00047	1	8260B	7/27/15 18:49	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-7 (3-4)
Prism Sample ID: 5070367-07
Prism Work Order: 5070367
Time Collected: 07/17/15 08:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dibromoethane	BRL	mg/kg dry	0.0061	0.00025	1	8260B	7/27/15 18:49	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0061	0.00029	1	8260B	7/27/15 18:49	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0061	0.00037	1	8260B	7/27/15 18:49	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0061	0.00038	1	8260B	7/27/15 18:49	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0061	0.00046	1	8260B	7/27/15 18:49	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0061	0.00041	1	8260B	7/27/15 18:49	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0061	0.00031	1	8260B	7/27/15 18:49	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0061	0.00024	1	8260B	7/27/15 18:49	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0061	0.00029	1	8260B	7/27/15 18:49	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0061	0.00032	1	8260B	7/27/15 18:49	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0061	0.00037	1	8260B	7/27/15 18:49	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0061	0.00030	1	8260B	7/27/15 18:49	MSC	P5G0498
Acetone	BRL	mg/kg dry	0.061	0.0015	1	8260B	7/27/15 18:49	MSC	P5G0498
Benzene	BRL	mg/kg dry	0.0037	0.00036	1	8260B	7/27/15 18:49	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0061	0.00051	1	8260B	7/27/15 18:49	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0061	0.00034	1	8260B	7/27/15 18:49	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0061	0.00034	1	8260B	7/27/15 18:49	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0061	0.00070	1	8260B	7/27/15 18:49	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.012	0.00076	1	8260B	7/27/15 18:49	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0061	0.00031	1	8260B	7/27/15 18:49	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0061	0.00033	1	8260B	7/27/15 18:49	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.012	0.00051	1	8260B	7/27/15 18:49	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0061	0.00044	1	8260B	7/27/15 18:49	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0061	0.00041	1	8260B	7/27/15 18:49	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0061	0.00026	1	8260B	7/27/15 18:49	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0061	0.00021	1	8260B	7/27/15 18:49	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0061	0.00025	1	8260B	7/27/15 18:49	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0061	0.00028	1	8260B	7/27/15 18:49	MSC	P5G0498
Ethylbenzene	BRL	mg/kg dry	0.0061	0.00024	1	8260B	7/27/15 18:49	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0061	0.00025	1	8260B	7/27/15 18:49	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0061	0.00036	1	8260B	7/27/15 18:49	MSC	P5G0498
m,p-Xylenes	BRL	mg/kg dry	0.012	0.00057	1	8260B	7/27/15 18:49	MSC	P5G0498
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.061	0.00055	1	8260B	7/27/15 18:49	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.12	0.00055	1	8260B	7/27/15 18:49	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.061	0.00052	1	8260B	7/27/15 18:49	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0061	0.00034	1	8260B	7/27/15 18:49	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.012	0.00020	1	8260B	7/27/15 18:49	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.012	0.00019	1	8260B	7/27/15 18:49	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0061	0.00031	1	8260B	7/27/15 18:49	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0061	0.00036	1	8260B	7/27/15 18:49	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0061	0.00025	1	8260B	7/27/15 18:49	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0061	0.00030	1	8260B	7/27/15 18:49	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0061	0.00037	1	8260B	7/27/15 18:49	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-7 (3-4)
Prism Sample ID: 5070367-07
Prism Work Order: 5070367
Time Collected: 07/17/15 08:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
tert-Butylbenzene	BRL	mg/kg dry	0.0061	0.00021	1	8260B	7/27/15 18:49	MSC	P5G0498
Tetrachloroethylene	BRL	mg/kg dry	0.0061	0.00029	1	8260B	7/27/15 18:49	MSC	P5G0498
Toluene	BRL	mg/kg dry	0.0061	0.00035	1	8260B	7/27/15 18:49	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0061	0.00037	1	8260B	7/27/15 18:49	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0061	0.00032	1	8260B	7/27/15 18:49	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0061	0.00040	1	8260B	7/27/15 18:49	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0061	0.00040	1	8260B	7/27/15 18:49	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.031	0.00084	1	8260B	7/27/15 18:49	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0061	0.00030	1	8260B	7/27/15 18:49	MSC	P5G0498
Xylenes, total	BRL	mg/kg dry	0.018	0.0011	1	8260B	7/27/15 18:49	MSC	P5G0498

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*107 %*	*70-130*
Dibromofluoromethane	*103 %*	*84-123*
Toluene-d8	*99 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-8 (1-3)
Prism Sample ID: 5070367-08
Prism Work Order: 5070367
Time Collected: 07/15/15 10:25
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**82.2**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.40	0.063	1	8270D	7/22/15 9:03	JMV	P5G0361
1,2-Dichlorobenzene	BRL	mg/kg dry	0.40	0.061	1	8270D	7/22/15 9:03	JMV	P5G0361
1,3-Dichlorobenzene	BRL	mg/kg dry	0.40	0.057	1	8270D	7/22/15 9:03	JMV	P5G0361
1,4-Dichlorobenzene	BRL	mg/kg dry	0.40	0.059	1	8270D	7/22/15 9:03	JMV	P5G0361
1-Methylnaphthalene	BRL	mg/kg dry	0.40	0.077	1	8270D	7/22/15 9:03	JMV	P5G0361
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.40	0.075	1	8270D	7/22/15 9:03	JMV	P5G0361
2,4-Dichlorophenol	BRL	mg/kg dry	0.40	0.078	1	8270D	7/22/15 9:03	JMV	P5G0361
2,4-Dimethylphenol	BRL	mg/kg dry	0.40	0.062	1	8270D	7/22/15 9:03	JMV	P5G0361
2,4-Dinitrophenol	BRL	mg/kg dry	0.40	0.056	1	8270D	7/22/15 9:03	JMV	P5G0361
2,4-Dinitrotoluene	BRL	mg/kg dry	0.40	0.049	1	8270D	7/22/15 9:03	JMV	P5G0361
2,6-Dinitrotoluene	BRL	mg/kg dry	0.40	0.053	1	8270D	7/22/15 9:03	JMV	P5G0361
2-Chloronaphthalene	BRL	mg/kg dry	0.40	0.058	1	8270D	7/22/15 9:03	JMV	P5G0361
2-Chlorophenol	BRL	mg/kg dry	0.40	0.057	1	8270D	7/22/15 9:03	JMV	P5G0361
2-Methylnaphthalene	BRL	mg/kg dry	0.40	0.064	1	8270D	7/22/15 9:03	JMV	P5G0361
2-Methylphenol	BRL	mg/kg dry	0.40	0.051	1	8270D	7/22/15 9:03	JMV	P5G0361
2-Nitrophenol	BRL	mg/kg dry	0.40	0.073	1	8270D	7/22/15 9:03	JMV	P5G0361
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.40	0.079	1	8270D	7/22/15 9:03	JMV	P5G0361
3/4-Methylphenol	BRL	mg/kg dry	0.40	0.050	1	8270D	7/22/15 9:03	JMV	P5G0361
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.40	0.060	1	8270D	7/22/15 9:03	JMV	P5G0361
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.40	0.069	1	8270D	7/22/15 9:03	JMV	P5G0361
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.40	0.056	1	8270D	7/22/15 9:03	JMV	P5G0361
4-Chloroaniline	BRL	mg/kg dry	0.40	0.048	1	8270D	7/22/15 9:03	JMV	P5G0361
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.40	0.052	1	8270D	7/22/15 9:03	JMV	P5G0361
4-Nitrophenol	BRL	mg/kg dry	0.40	0.062	1	8270D	7/22/15 9:03	JMV	P5G0361
Acenaphthene	BRL A	mg/kg dry	0.40	0.055	1	8270D	7/22/15 9:03	JMV	P5G0361
Acenaphthylene	BRL	mg/kg dry	0.40	0.058	1	8270D	7/22/15 9:03	JMV	P5G0361
Anthracene	BRL	mg/kg dry	0.40	0.065	1	8270D	7/22/15 9:03	JMV	P5G0361
Azobenzene	BRL	mg/kg dry	0.40	0.053	1	8270D	7/22/15 9:03	JMV	P5G0361
Benzo(a)anthracene	BRL	mg/kg dry	0.40	0.053	1	8270D	7/22/15 9:03	JMV	P5G0361
Benzo(a)pyrene	BRL	mg/kg dry	0.40	0.043	1	8270D	7/22/15 9:03	JMV	P5G0361
Benzo(b)fluoranthene	BRL	mg/kg dry	0.40	0.047	1	8270D	7/22/15 9:03	JMV	P5G0361
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.40	0.044	1	8270D	7/22/15 9:03	JMV	P5G0361
Benzo(k)fluoranthene	BRL	mg/kg dry	0.40	0.053	1	8270D	7/22/15 9:03	JMV	P5G0361
Benzoic Acid	BRL	mg/kg dry	0.40	0.034	1	8270D	7/22/15 9:03	JMV	P5G0361
Benzyl alcohol	BRL	mg/kg dry	0.40	0.053	1	8270D	7/22/15 9:03	JMV	P5G0361
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.40	0.070	1	8270D	7/22/15 9:03	JMV	P5G0361
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.40	0.057	1	8270D	7/22/15 9:03	JMV	P5G0361
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.40	0.069	1	8270D	7/22/15 9:03	JMV	P5G0361
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.40	0.060	1	8270D	7/22/15 9:03	JMV	P5G0361

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-8 (1-3)
Prism Sample ID: 5070367-08
Prism Work Order: 5070367
Time Collected: 07/15/15 10:25
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.40	0.057	1	8270D	7/22/15 9:03	JMV	P5G0361
Chrysene	BRL	mg/kg dry	0.40	0.051	1	8270D	7/22/15 9:03	JMV	P5G0361
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.40	0.049	1	8270D	7/22/15 9:03	JMV	P5G0361
Dibenzofuran	BRL	mg/kg dry	0.40	0.061	1	8270D	7/22/15 9:03	JMV	P5G0361
Diethyl phthalate	BRL	mg/kg dry	0.40	0.055	1	8270D	7/22/15 9:03	JMV	P5G0361
Dimethyl phthalate	BRL	mg/kg dry	0.40	0.053	1	8270D	7/22/15 9:03	JMV	P5G0361
Di-n-butyl phthalate	BRL	mg/kg dry	0.40	0.057	1	8270D	7/22/15 9:03	JMV	P5G0361
Di-n-octyl phthalate	BRL	mg/kg dry	0.40	0.049	1	8270D	7/22/15 9:03	JMV	P5G0361
Fluoranthene	BRL	mg/kg dry	0.40	0.051	1	8270D	7/22/15 9:03	JMV	P5G0361
Fluorene	BRL	mg/kg dry	0.40	0.058	1	8270D	7/22/15 9:03	JMV	P5G0361
Hexachlorobenzene	BRL	mg/kg dry	0.40	0.064	1	8270D	7/22/15 9:03	JMV	P5G0361
Hexachlorobutadiene	BRL	mg/kg dry	0.40	0.072	1	8270D	7/22/15 9:03	JMV	P5G0361
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.40	0.072	1	8270D	7/22/15 9:03	JMV	P5G0361
Hexachloroethane	BRL	mg/kg dry	0.40	0.067	1	8270D	7/22/15 9:03	JMV	P5G0361
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.40	0.046	1	8270D	7/22/15 9:03	JMV	P5G0361
Isophorone	BRL	mg/kg dry	0.40	0.054	1	8270D	7/22/15 9:03	JMV	P5G0361
Naphthalene	BRL	mg/kg dry	0.40	0.065	1	8270D	7/22/15 9:03	JMV	P5G0361
Nitrobenzene	BRL	mg/kg dry	0.40	0.057	1	8270D	7/22/15 9:03	JMV	P5G0361
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.40	0.063	1	8270D	7/22/15 9:03	JMV	P5G0361
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.40	0.061	1	8270D	7/22/15 9:03	JMV	P5G0361
Pentachlorophenol	BRL	mg/kg dry	0.40	0.047	1	8270D	7/22/15 9:03	JMV	P5G0361
Phenanthrene	BRL	mg/kg dry	0.40	0.052	1	8270D	7/22/15 9:03	JMV	P5G0361
Phenol	BRL	mg/kg dry	0.40	0.059	1	8270D	7/22/15 9:03	JMV	P5G0361
Pyrene	BRL	mg/kg dry	0.40	0.053	1	8270D	7/22/15 9:03	JMV	P5G0361

Surrogate	Recovery	Control Limits	
2,4,6-Tribromophenol	*117 %*	*39-132*	
2-Fluorobiphenyl	*110 %*	*44-115*	
2-Fluorophenol	*117 %*	*35-115*	*SR*
Nitrobenzene-d5	*100 %*	*37-122*	
Phenol-d5	*117 %*	*34-121*	
Terphenyl-d14	*116 %*	*54-127*	

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0038	0.00032	1	8260B	7/27/15 19:20	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0038	0.00019	1	8260B	7/27/15 19:20	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0038	0.00026	1	8260B	7/27/15 19:20	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0038	0.00034	1	8260B	7/27/15 19:20	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0038	0.00011	1	8260B	7/27/15 19:20	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0038	0.00017	1	8260B	7/27/15 19:20	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0038	0.00021	1	8260B	7/27/15 19:20	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0038	0.00022	1	8260B	7/27/15 19:20	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0038	0.00049	1	8260B	7/27/15 19:20	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0038	0.00029	1	8260B	7/27/15 19:20	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0038	0.00029	1	8260B	7/27/15 19:20	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-8 (1-3)
Prism Sample ID: 5070367-08
Prism Work Order: 5070367
Time Collected: 07/15/15 10:25
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dibromoethane	BRL	mg/kg dry	0.0038	0.00015	1	8260B	7/27/15 19:20	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0038	0.00018	1	8260B	7/27/15 19:20	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0038	0.00023	1	8260B	7/27/15 19:20	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0038	0.00024	1	8260B	7/27/15 19:20	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0038	0.00029	1	8260B	7/27/15 19:20	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0038	0.00025	1	8260B	7/27/15 19:20	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0038	0.00019	1	8260B	7/27/15 19:20	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0038	0.00015	1	8260B	7/27/15 19:20	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0038	0.00018	1	8260B	7/27/15 19:20	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0038	0.00020	1	8260B	7/27/15 19:20	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0038	0.00023	1	8260B	7/27/15 19:20	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0038	0.00018	1	8260B	7/27/15 19:20	MSC	P5G0498
Acetone	BRL	mg/kg dry	0.038	0.00094	1	8260B	7/27/15 19:20	MSC	P5G0498
Benzene	BRL	mg/kg dry	0.0023	0.00022	1	8260B	7/27/15 19:20	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0038	0.00032	1	8260B	7/27/15 19:20	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0038	0.00021	1	8260B	7/27/15 19:20	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0038	0.00021	1	8260B	7/27/15 19:20	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0038	0.00044	1	8260B	7/27/15 19:20	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.0077	0.00047	1	8260B	7/27/15 19:20	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0038	0.00019	1	8260B	7/27/15 19:20	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0038	0.00020	1	8260B	7/27/15 19:20	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.0077	0.00032	1	8260B	7/27/15 19:20	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0038	0.00028	1	8260B	7/27/15 19:20	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0038	0.00026	1	8260B	7/27/15 19:20	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0038	0.00016	1	8260B	7/27/15 19:20	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0038	0.00013	1	8260B	7/27/15 19:20	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0038	0.00016	1	8260B	7/27/15 19:20	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0038	0.00017	1	8260B	7/27/15 19:20	MSC	P5G0498
Ethylbenzene	BRL	mg/kg dry	0.0038	0.00015	1	8260B	7/27/15 19:20	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0038	0.00016	1	8260B	7/27/15 19:20	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0038	0.00023	1	8260B	7/27/15 19:20	MSC	P5G0498
m,p-Xylenes	BRL	mg/kg dry	0.0077	0.00035	1	8260B	7/27/15 19:20	MSC	P5G0498
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.038	0.00035	1	8260B	7/27/15 19:20	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.077	0.00035	1	8260B	7/27/15 19:20	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.038	0.00033	1	8260B	7/27/15 19:20	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0038	0.00022	1	8260B	7/27/15 19:20	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0077	0.00012	1	8260B	7/27/15 19:20	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.0077	0.00012	1	8260B	7/27/15 19:20	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0038	0.00020	1	8260B	7/27/15 19:20	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0038	0.00023	1	8260B	7/27/15 19:20	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0038	0.00016	1	8260B	7/27/15 19:20	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0038	0.00019	1	8260B	7/27/15 19:20	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0038	0.00023	1	8260B	7/27/15 19:20	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-8 (1-3)
Prism Sample ID: 5070367-08
Prism Work Order: 5070367
Time Collected: 07/15/15 10:25
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
tert-Butylbenzene	BRL	mg/kg dry	0.0038	0.00013	1	8260B	7/27/15 19:20	MSC	P5G0498
Tetrachloroethylene	BRL	mg/kg dry	0.0038	0.00018	1	8260B	7/27/15 19:20	MSC	P5G0498
Toluene	BRL	mg/kg dry	0.0038	0.00022	1	8260B	7/27/15 19:20	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0038	0.00023	1	8260B	7/27/15 19:20	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0038	0.00020	1	8260B	7/27/15 19:20	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0038	0.00025	1	8260B	7/27/15 19:20	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0038	0.00025	1	8260B	7/27/15 19:20	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.019	0.00053	1	8260B	7/27/15 19:20	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0038	0.00019	1	8260B	7/27/15 19:20	MSC	P5G0498
Xylenes, total	BRL	mg/kg dry	0.012	0.00072	1	8260B	7/27/15 19:20	MSC	P5G0498

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*70-130*
Dibromofluoromethane	*96 %*	*84-123*
Toluene-d8	*96 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-9 (1-3)
Prism Sample ID: 5070367-09
Prism Work Order: 5070367
Time Collected: 07/15/15 09:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**86.7**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00039	1	8260B	7/27/15 19:52	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 19:52	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00032	1	8260B	7/27/15 19:52	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0047	0.00042	1	8260B	7/27/15 19:52	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0047	0.00013	1	8260B	7/27/15 19:52	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00021	1	8260B	7/27/15 19:52	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00026	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00027	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0047	0.00061	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00035	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00036	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2-Dibromoethane	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 19:52	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00029	1	8260B	7/27/15 19:52	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00036	1	8260B	7/27/15 19:52	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00031	1	8260B	7/27/15 19:52	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0047	0.00024	1	8260B	7/27/15 19:52	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 19:52	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 19:52	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	7/27/15 19:52	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 19:52	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 19:52	MSC	P5G0498
Acetone	BRL	mg/kg dry	0.047	0.0012	1	8260B	7/27/15 19:52	MSC	P5G0498
Benzene	BRL	mg/kg dry	0.0028	0.00028	1	8260B	7/27/15 19:52	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0047	0.00040	1	8260B	7/27/15 19:52	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	7/27/15 19:52	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	7/27/15 19:52	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0047	0.00054	1	8260B	7/27/15 19:52	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.0095	0.00059	1	8260B	7/27/15 19:52	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0047	0.00024	1	8260B	7/27/15 19:52	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	7/27/15 19:52	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.0095	0.00040	1	8260B	7/27/15 19:52	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0047	0.00034	1	8260B	7/27/15 19:52	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0047	0.00032	1	8260B	7/27/15 19:52	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00020	1	8260B	7/27/15 19:52	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	7/27/15 19:52	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0047	0.00020	1	8260B	7/27/15 19:52	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0047	0.00022	1	8260B	7/27/15 19:52	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-9 (1-3)
Prism Sample ID: 5070367-09
Prism Work Order: 5070367
Time Collected: 07/15/15 09:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0047	0.00018	1	8260B	7/27/15 19:52	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 19:52	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 19:52	MSC	P5G0498
m,p-Xylenes	BRL	mg/kg dry	0.0095	0.00044	1	8260B	7/27/15 19:52	MSC	P5G0498
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.047	0.00043	1	8260B	7/27/15 19:52	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.095	0.00043	1	8260B	7/27/15 19:52	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.047	0.00040	1	8260B	7/27/15 19:52	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0047	0.00027	1	8260B	7/27/15 19:52	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0095	0.00015	1	8260B	7/27/15 19:52	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.0095	0.00015	1	8260B	7/27/15 19:52	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	7/27/15 19:52	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 19:52	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 19:52	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 19:52	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0047	0.00029	1	8260B	7/27/15 19:52	MSC	P5G0498
tert-Butylbenzene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	7/27/15 19:52	MSC	P5G0498
Tetrachloroethylene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 19:52	MSC	P5G0498
Toluene	BRL	mg/kg dry	0.0047	0.00027	1	8260B	7/27/15 19:52	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 19:52	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	7/27/15 19:52	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0047	0.00031	1	8260B	7/27/15 19:52	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0047	0.00031	1	8260B	7/27/15 19:52	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.024	0.00065	1	8260B	7/27/15 19:52	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 19:52	MSC	P5G0498
Xylenes, total	BRL	mg/kg dry	0.014	0.00089	1	8260B	7/27/15 19:52	MSC	P5G0498

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*109 %*	*70-130*
Dibromofluoromethane	*101 %*	*84-123*
Toluene-d8	*89 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-10 6-8
Prism Sample ID: 5070367-10
Prism Work Order: 5070367
Time Collected: 07/17/15 10:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**68.8**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0055	0.00045	1	8260B	7/27/15 20:23	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0055	0.00027	1	8260B	7/27/15 20:23	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0055	0.00037	1	8260B	7/27/15 20:23	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0055	0.00049	1	8260B	7/27/15 20:23	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0055	0.00015	1	8260B	7/27/15 20:23	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0055	0.00024	1	8260B	7/27/15 20:23	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0055	0.00030	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0055	0.00031	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0055	0.00071	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0055	0.00041	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0055	0.00042	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2-Dibromoethane	BRL	mg/kg dry	0.0055	0.00022	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0055	0.00026	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0055	0.00033	1	8260B	7/27/15 20:23	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0055	0.00034	1	8260B	7/27/15 20:23	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0055	0.00042	1	8260B	7/27/15 20:23	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0055	0.00037	1	8260B	7/27/15 20:23	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0055	0.00028	1	8260B	7/27/15 20:23	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0055	0.00022	1	8260B	7/27/15 20:23	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0055	0.00026	1	8260B	7/27/15 20:23	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0055	0.00029	1	8260B	7/27/15 20:23	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	7/27/15 20:23	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0055	0.00027	1	8260B	7/27/15 20:23	MSC	P5G0498
Acetone	**0.13**	**mg/kg dry**	**0.055**	**0.0013**	**1**	**8260B**	**7/27/15 20:23**	**MSC**	**P5G0498**
Benzene	BRL	mg/kg dry	0.0033	0.00032	1	8260B	7/27/15 20:23	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0055	0.00046	1	8260B	7/27/15 20:23	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0055	0.00030	1	8260B	7/27/15 20:23	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0055	0.00031	1	8260B	7/27/15 20:23	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0055	0.00063	1	8260B	7/27/15 20:23	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.011	0.00068	1	8260B	7/27/15 20:23	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0055	0.00028	1	8260B	7/27/15 20:23	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0055	0.00029	1	8260B	7/27/15 20:23	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.011	0.00046	1	8260B	7/27/15 20:23	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0055	0.00040	1	8260B	7/27/15 20:23	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0055	0.00037	1	8260B	7/27/15 20:23	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0055	0.00024	1	8260B	7/27/15 20:23	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0055	0.00019	1	8260B	7/27/15 20:23	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0055	0.00023	1	8260B	7/27/15 20:23	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0055	0.00025	1	8260B	7/27/15 20:23	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-10 6-8
Prism Sample ID: 5070367-10
Prism Work Order: 5070367
Time Collected: 07/17/15 10:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0055	0.00021	1	8260B	7/27/15 20:23	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0055	0.00023	1	8260B	7/27/15 20:23	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0055	0.00033	1	8260B	7/27/15 20:23	MSC	P5G0498
m,p-Xylenes	BRL	mg/kg dry	0.011	0.00051	1	8260B	7/27/15 20:23	MSC	P5G0498
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.055	0.00050	1	8260B	7/27/15 20:23	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.11	0.00050	1	8260B	7/27/15 20:23	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.055	0.00047	1	8260B	7/27/15 20:23	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0055	0.00031	1	8260B	7/27/15 20:23	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.011	0.00018	1	8260B	7/27/15 20:23	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.011	0.00017	1	8260B	7/27/15 20:23	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0055	0.00028	1	8260B	7/27/15 20:23	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	7/27/15 20:23	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0055	0.00023	1	8260B	7/27/15 20:23	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0055	0.00027	1	8260B	7/27/15 20:23	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	7/27/15 20:23	MSC	P5G0498
tert-Butylbenzene	BRL	mg/kg dry	0.0055	0.00019	1	8260B	7/27/15 20:23	MSC	P5G0498
Tetrachloroethylene	BRL	mg/kg dry	0.0055	0.00026	1	8260B	7/27/15 20:23	MSC	P5G0498
Toluene	BRL	mg/kg dry	0.0055	0.00032	1	8260B	7/27/15 20:23	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0055	0.00033	1	8260B	7/27/15 20:23	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0055	0.00029	1	8260B	7/27/15 20:23	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0055	0.00036	1	8260B	7/27/15 20:23	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0055	0.00036	1	8260B	7/27/15 20:23	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.028	0.00076	1	8260B	7/27/15 20:23	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0055	0.00027	1	8260B	7/27/15 20:23	MSC	P5G0498
Xylenes, total	BRL	mg/kg dry	0.017	0.0010	1	8260B	7/27/15 20:23	MSC	P5G0498

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*108 %*	*70-130*
Dibromofluoromethane	*103 %*	*84-123*
Toluene-d8	*91 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-11 (6-8)
Prism Sample ID: 5070367-11
Prism Work Order: 5070367
Time Collected: 07/17/15 09:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**88.2**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0045	0.00037	1	8260B	7/27/15 20:55	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0045	0.00022	1	8260B	7/27/15 20:55	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0045	0.00031	1	8260B	7/27/15 20:55	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0045	0.00040	1	8260B	7/27/15 20:55	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0045	0.00013	1	8260B	7/27/15 20:55	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0045	0.00020	1	8260B	7/27/15 20:55	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0045	0.00025	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0045	0.00026	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0045	0.00058	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0045	0.00034	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0045	0.00035	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2-Dibromoethane	BRL	mg/kg dry	0.0045	0.00018	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0045	0.00021	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0045	0.00027	1	8260B	7/27/15 20:55	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0045	0.00028	1	8260B	7/27/15 20:55	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0045	0.00034	1	8260B	7/27/15 20:55	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0045	0.00030	1	8260B	7/27/15 20:55	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0045	0.00023	1	8260B	7/27/15 20:55	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0045	0.00018	1	8260B	7/27/15 20:55	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0045	0.00022	1	8260B	7/27/15 20:55	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0045	0.00023	1	8260B	7/27/15 20:55	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0045	0.00027	1	8260B	7/27/15 20:55	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0045	0.00022	1	8260B	7/27/15 20:55	MSC	P5G0498
Acetone	**0.23**	**mg/kg dry**	**0.045**	**0.0011**	**1**	**8260B**	**7/27/15 20:55**	**MSC**	**P5G0498**
Benzene	BRL	mg/kg dry	0.0027	0.00026	1	8260B	7/27/15 20:55	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0045	0.00038	1	8260B	7/27/15 20:55	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0045	0.00025	1	8260B	7/27/15 20:55	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0045	0.00025	1	8260B	7/27/15 20:55	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0045	0.00052	1	8260B	7/27/15 20:55	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.0091	0.00056	1	8260B	7/27/15 20:55	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0045	0.00023	1	8260B	7/27/15 20:55	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0045	0.00024	1	8260B	7/27/15 20:55	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.0091	0.00038	1	8260B	7/27/15 20:55	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0045	0.00033	1	8260B	7/27/15 20:55	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0045	0.00031	1	8260B	7/27/15 20:55	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0045	0.00019	1	8260B	7/27/15 20:55	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0045	0.00015	1	8260B	7/27/15 20:55	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0045	0.00019	1	8260B	7/27/15 20:55	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0045	0.00021	1	8260B	7/27/15 20:55	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-11 (6-8)
Prism Sample ID: 5070367-11
Prism Work Order: 5070367
Time Collected: 07/17/15 09:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0045	0.00017	1	8260B	7/27/15 20:55	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0045	0.00019	1	8260B	7/27/15 20:55	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0045	0.00027	1	8260B	7/27/15 20:55	MSC	P5G0498
m,p-Xylenes	**0.0019 J**	**mg/kg dry**	**0.0091**	**0.00042**	**1**	**8260B**	**7/27/15 20:55**	**MSC**	**P5G0498**
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.045	0.00041	1	8260B	7/27/15 20:55	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.091	0.00041	1	8260B	7/27/15 20:55	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.045	0.00039	1	8260B	7/27/15 20:55	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0045	0.00026	1	8260B	7/27/15 20:55	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0091	0.00015	1	8260B	7/27/15 20:55	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.0091	0.00014	1	8260B	7/27/15 20:55	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0045	0.00023	1	8260B	7/27/15 20:55	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0045	0.00027	1	8260B	7/27/15 20:55	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0045	0.00019	1	8260B	7/27/15 20:55	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0045	0.00022	1	8260B	7/27/15 20:55	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0045	0.00027	1	8260B	7/27/15 20:55	MSC	P5G0498
tert-Butylbenzene	BRL	mg/kg dry	0.0045	0.00015	1	8260B	7/27/15 20:55	MSC	P5G0498
Tetrachloroethylene	**0.0078**	**mg/kg dry**	**0.0045**	**0.00022**	**1**	**8260B**	**7/27/15 20:55**	**MSC**	**P5G0498**
Toluene	BRL	mg/kg dry	0.0045	0.00026	1	8260B	7/27/15 20:55	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0045	0.00027	1	8260B	7/27/15 20:55	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0045	0.00024	1	8260B	7/27/15 20:55	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0045	0.00029	1	8260B	7/27/15 20:55	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0045	0.00029	1	8260B	7/27/15 20:55	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.023	0.00062	1	8260B	7/27/15 20:55	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0045	0.00022	1	8260B	7/27/15 20:55	MSC	P5G0498
Xylenes, total	**0.0019 J**	**mg/kg dry**	**0.014**	**0.00085**	**1**	**8260B**	**7/27/15 20:55**	**MSC**	**P5G0498**

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*70-130*
Dibromofluoromethane	*98 %*	*84-123*
Toluene-d8	*98 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-12 (14-15)
Prism Sample ID: 5070367-12
Prism Work Order: 5070367
Time Collected: 07/17/15 11:00
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**82.3**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00038	1	8260B	7/27/15 21:26	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 21:26	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00031	1	8260B	7/27/15 21:26	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0047	0.00041	1	8260B	7/27/15 21:26	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0047	0.00013	1	8260B	7/27/15 21:26	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00021	1	8260B	7/27/15 21:26	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00026	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0047	0.00059	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00035	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00036	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2-Dibromoethane	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 21:26	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00029	1	8260B	7/27/15 21:26	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00035	1	8260B	7/27/15 21:26	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00031	1	8260B	7/27/15 21:26	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 21:26	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00018	1	8260B	7/27/15 21:26	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00022	1	8260B	7/27/15 21:26	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	7/27/15 21:26	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 21:26	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	7/27/15 21:26	MSC	P5G0498
Acetone	BRL	mg/kg dry	0.047	0.0011	1	8260B	7/27/15 21:26	MSC	P5G0498
Benzene	BRL	mg/kg dry	0.0028	0.00027	1	8260B	7/27/15 21:26	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0047	0.00039	1	8260B	7/27/15 21:26	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	7/27/15 21:26	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	7/27/15 21:26	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0047	0.00053	1	8260B	7/27/15 21:26	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.0093	0.00057	1	8260B	7/27/15 21:26	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 21:26	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	7/27/15 21:26	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.0093	0.00039	1	8260B	7/27/15 21:26	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0047	0.00034	1	8260B	7/27/15 21:26	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0047	0.00031	1	8260B	7/27/15 21:26	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00020	1	8260B	7/27/15 21:26	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	7/27/15 21:26	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 21:26	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0047	0.00021	1	8260B	7/27/15 21:26	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-12 (14-15)
Prism Sample ID: 5070367-12
Prism Work Order: 5070367
Time Collected: 07/17/15 11:00
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0047	0.00018	1	8260B	7/27/15 21:26	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 21:26	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 21:26	MSC	P5G0498
m,p-Xylenes	**0.0024 J**	**mg/kg dry**	**0.0093**	**0.00043**	**1**	**8260B**	**7/27/15 21:26**	**MSC**	**P5G0498**
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.047	0.00042	1	8260B	7/27/15 21:26	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.093	0.00042	1	8260B	7/27/15 21:26	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.047	0.00040	1	8260B	7/27/15 21:26	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0047	0.00026	1	8260B	7/27/15 21:26	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0093	0.00015	1	8260B	7/27/15 21:26	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.0093	0.00015	1	8260B	7/27/15 21:26	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	7/27/15 21:26	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 21:26	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0047	0.00019	1	8260B	7/27/15 21:26	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 21:26	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 21:26	MSC	P5G0498
tert-Butylbenzene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	7/27/15 21:26	MSC	P5G0498
Tetrachloroethylene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	7/27/15 21:26	MSC	P5G0498
Toluene	BRL	mg/kg dry	0.0047	0.00027	1	8260B	7/27/15 21:26	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	7/27/15 21:26	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	7/27/15 21:26	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0047	0.00030	1	8260B	7/27/15 21:26	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0047	0.00030	1	8260B	7/27/15 21:26	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.023	0.00064	1	8260B	7/27/15 21:26	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0047	0.00023	1	8260B	7/27/15 21:26	MSC	P5G0498
Xylenes, total	**0.0024 J**	**mg/kg dry**	**0.014**	**0.00087**	**1**	**8260B**	**7/27/15 21:26**	**MSC**	**P5G0498**

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*105 %*	*70-130*
Dibromofluoromethane	*103 %*	*84-123*
Toluene-d8	*95 %*	*76-129*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-13 (8-10)
Prism Sample ID: 5070367-13
Prism Work Order: 5070367
Time Collected: 07/17/15 08:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**68.5**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**7/21/15 13:17**	**ARC**	**P5G0377**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0057	0.00046	1	8260B	7/27/15 21:57	MSC	P5G0498
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0057	0.00027	1	8260B	7/27/15 21:57	MSC	P5G0498
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0057	0.00038	1	8260B	7/27/15 21:57	MSC	P5G0498
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0057	0.00050	1	8260B	7/27/15 21:57	MSC	P5G0498
1,1-Dichloroethane	BRL	mg/kg dry	0.0057	0.00016	1	8260B	7/27/15 21:57	MSC	P5G0498
1,1-Dichloroethylene	BRL	mg/kg dry	0.0057	0.00025	1	8260B	7/27/15 21:57	MSC	P5G0498
1,1-Dichloropropylene	BRL	mg/kg dry	0.0057	0.00031	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0057	0.00032	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0057	0.00072	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0057	0.00042	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0057	0.00043	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2-Dibromoethane	BRL	mg/kg dry	0.0057	0.00023	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0057	0.00027	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2-Dichloroethane	BRL	mg/kg dry	0.0057	0.00034	1	8260B	7/27/15 21:57	MSC	P5G0498
1,2-Dichloropropane	BRL	mg/kg dry	0.0057	0.00035	1	8260B	7/27/15 21:57	MSC	P5G0498
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0057	0.00043	1	8260B	7/27/15 21:57	MSC	P5G0498
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0057	0.00037	1	8260B	7/27/15 21:57	MSC	P5G0498
1,3-Dichloropropane	BRL	mg/kg dry	0.0057	0.00028	1	8260B	7/27/15 21:57	MSC	P5G0498
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0057	0.00022	1	8260B	7/27/15 21:57	MSC	P5G0498
2,2-Dichloropropane	BRL	mg/kg dry	0.0057	0.00027	1	8260B	7/27/15 21:57	MSC	P5G0498
2-Chlorotoluene	BRL	mg/kg dry	0.0057	0.00029	1	8260B	7/27/15 21:57	MSC	P5G0498
4-Chlorotoluene	BRL	mg/kg dry	0.0057	0.00034	1	8260B	7/27/15 21:57	MSC	P5G0498
4-Isopropyltoluene	BRL	mg/kg dry	0.0057	0.00027	1	8260B	7/27/15 21:57	MSC	P5G0498
Acetone	BRL	mg/kg dry	0.057	0.0014	1	8260B	7/27/15 21:57	MSC	P5G0498
Benzene	BRL	mg/kg dry	0.0034	0.00033	1	8260B	7/27/15 21:57	MSC	P5G0498
Bromobenzene	BRL	mg/kg dry	0.0057	0.00047	1	8260B	7/27/15 21:57	MSC	P5G0498
Bromochloromethane	BRL	mg/kg dry	0.0057	0.00031	1	8260B	7/27/15 21:57	MSC	P5G0498
Bromodichloromethane	BRL	mg/kg dry	0.0057	0.00032	1	8260B	7/27/15 21:57	MSC	P5G0498
Bromoform	BRL	mg/kg dry	0.0057	0.00064	1	8260B	7/27/15 21:57	MSC	P5G0498
Bromomethane	BRL	mg/kg dry	0.011	0.00070	1	8260B	7/27/15 21:57	MSC	P5G0498
Carbon Tetrachloride	BRL	mg/kg dry	0.0057	0.00028	1	8260B	7/27/15 21:57	MSC	P5G0498
Chlorobenzene	BRL	mg/kg dry	0.0057	0.00030	1	8260B	7/27/15 21:57	MSC	P5G0498
Chloroethane	BRL	mg/kg dry	0.011	0.00047	1	8260B	7/27/15 21:57	MSC	P5G0498
Chloroform	BRL	mg/kg dry	0.0057	0.00041	1	8260B	7/27/15 21:57	MSC	P5G0498
Chloromethane	BRL	mg/kg dry	0.0057	0.00038	1	8260B	7/27/15 21:57	MSC	P5G0498
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0057	0.00024	1	8260B	7/27/15 21:57	MSC	P5G0498
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0057	0.00019	1	8260B	7/27/15 21:57	MSC	P5G0498
Dibromochloromethane	BRL	mg/kg dry	0.0057	0.00023	1	8260B	7/27/15 21:57	MSC	P5G0498
Dichlorodifluoromethane	BRL	mg/kg dry	0.0057	0.00026	1	8260B	7/27/15 21:57	MSC	P5G0498

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Solid

Client Sample ID: SB-13 (8-10)
Prism Sample ID: 5070367-13
Prism Work Order: 5070367
Time Collected: 07/17/15 08:50
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Ethylbenzene	BRL	mg/kg dry	0.0057	0.00022	1	8260B	7/27/15 21:57	MSC	P5G0498
Isopropyl Ether	BRL	mg/kg dry	0.0057	0.00023	1	8260B	7/27/15 21:57	MSC	P5G0498
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0057	0.00033	1	8260B	7/27/15 21:57	MSC	P5G0498
m,p-Xylenes	BRL	mg/kg dry	0.011	0.00052	1	8260B	7/27/15 21:57	MSC	P5G0498
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.057	0.00051	1	8260B	7/27/15 21:57	MSC	P5G0498
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.11	0.00051	1	8260B	7/27/15 21:57	MSC	P5G0498
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.057	0.00048	1	8260B	7/27/15 21:57	MSC	P5G0498
Methylene Chloride	BRL	mg/kg dry	0.0057	0.00032	1	8260B	7/27/15 21:57	MSC	P5G0498
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.011	0.00018	1	8260B	7/27/15 21:57	MSC	P5G0498
Naphthalene	BRL	mg/kg dry	0.011	0.00018	1	8260B	7/27/15 21:57	MSC	P5G0498
n-Butylbenzene	BRL	mg/kg dry	0.0057	0.00029	1	8260B	7/27/15 21:57	MSC	P5G0498
n-Propylbenzene	BRL	mg/kg dry	0.0057	0.00034	1	8260B	7/27/15 21:57	MSC	P5G0498
o-Xylene	BRL	mg/kg dry	0.0057	0.00023	1	8260B	7/27/15 21:57	MSC	P5G0498
sec-Butylbenzene	BRL	mg/kg dry	0.0057	0.00027	1	8260B	7/27/15 21:57	MSC	P5G0498
Styrene	BRL	mg/kg dry	0.0057	0.00034	1	8260B	7/27/15 21:57	MSC	P5G0498
tert-Butylbenzene	BRL	mg/kg dry	0.0057	0.00019	1	8260B	7/27/15 21:57	MSC	P5G0498
Tetrachloroethylene	**0.0027 J**	**mg/kg dry**	**0.0057**	**0.00027**	**1**	**8260B**	**7/27/15 21:57**	**MSC**	**P5G0498**
Toluene	BRL	mg/kg dry	0.0057	0.00032	1	8260B	7/27/15 21:57	MSC	P5G0498
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0057	0.00034	1	8260B	7/27/15 21:57	MSC	P5G0498
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0057	0.00030	1	8260B	7/27/15 21:57	MSC	P5G0498
Trichloroethylene	BRL	mg/kg dry	0.0057	0.00037	1	8260B	7/27/15 21:57	MSC	P5G0498
Trichlorofluoromethane	BRL	mg/kg dry	0.0057	0.00037	1	8260B	7/27/15 21:57	MSC	P5G0498
Vinyl acetate	BRL	mg/kg dry	0.028	0.00077	1	8260B	7/27/15 21:57	MSC	P5G0498
Vinyl chloride	BRL	mg/kg dry	0.0057	0.00027	1	8260B	7/27/15 21:57	MSC	P5G0498
Xylenes, total	BRL	mg/kg dry	0.017	0.0011	1	8260B	7/27/15 21:57	MSC	P5G0498

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*106 %*	*70-130*
Dibromofluoromethane	*104 %*	*84-123*
Toluene-d8	*100 %*	*76-129*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-14A
Prism Sample ID: 5070367-14
Prism Work Order: 5070367
Time Collected: 07/17/15 07:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 16:01	CGP	P5G0455
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 16:01	CGP	P5G0455
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	7/24/15 16:01	CGP	P5G0455
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 16:01	CGP	P5G0455
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	7/24/15 16:01	CGP	P5G0455
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	7/24/15 16:01	CGP	P5G0455
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 16:01	CGP	P5G0455
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 16:01	CGP	P5G0455
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 16:01	CGP	P5G0455
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 16:01	CGP	P5G0455
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	7/24/15 16:01	CGP	P5G0455
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 16:01	CGP	P5G0455
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	7/24/15 16:01	CGP	P5G0455
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	7/24/15 16:01	CGP	P5G0455
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 16:01	CGP	P5G0455
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 16:01	CGP	P5G0455
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	7/24/15 16:01	CGP	P5G0455
Acetone	BRL	ug/L	5.0	0.31	1	8260B	7/24/15 16:01	CGP	P5G0455
Acrolein	BRL	ug/L	20	0.20	1	8260B	7/24/15 16:01	CGP	P5G0455
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	7/24/15 16:01	CGP	P5G0455
Benzene	BRL	ug/L	0.50	0.048	1	8260B	7/24/15 16:01	CGP	P5G0455
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	7/24/15 16:01	CGP	P5G0455
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	7/24/15 16:01	CGP	P5G0455
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 16:01	CGP	P5G0455
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	7/24/15 16:01	CGP	P5G0455
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	7/24/15 16:01	CGP	P5G0455
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	7/24/15 16:01	CGP	P5G0455
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 16:01	CGP	P5G0455
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 16:01	CGP	P5G0455
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	7/24/15 16:01	CGP	P5G0455
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 16:01	CGP	P5G0455
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 16:01	CGP	P5G0455
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	7/24/15 16:01	CGP	P5G0455
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 16:01	CGP	P5G0455

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-14A
Prism Sample ID: 5070367-14
Prism Work Order: 5070367
Time Collected: 07/17/15 07:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	7/24/15 16:01	CGP	P5G0455
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	7/24/15 16:01	CGP	P5G0455
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	7/24/15 16:01	CGP	P5G0455
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 16:01	CGP	P5G0455
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	7/24/15 16:01	CGP	P5G0455
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 16:01	CGP	P5G0455
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 16:01	CGP	P5G0455
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	7/24/15 16:01	CGP	P5G0455
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	7/24/15 16:01	CGP	P5G0455
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	7/24/15 16:01	CGP	P5G0455
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	7/24/15 16:01	CGP	P5G0455
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	7/24/15 16:01	CGP	P5G0455
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	7/24/15 16:01	CGP	P5G0455
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	7/24/15 16:01	CGP	P5G0455
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	7/24/15 16:01	CGP	P5G0455
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	7/24/15 16:01	CGP	P5G0455
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 16:01	CGP	P5G0455
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 16:01	CGP	P5G0455
Styrene	BRL	ug/L	0.50	0.047	1	8260B	7/24/15 16:01	CGP	P5G0455
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	7/24/15 16:01	CGP	P5G0455
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	7/24/15 16:01	CGP	P5G0455
Toluene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 16:01	CGP	P5G0455
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	7/24/15 16:01	CGP	P5G0455
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	7/24/15 16:01	CGP	P5G0455
Trichloroethylene	**2.4**	**ug/L**	**0.50**	**0.078**	**1**	**8260B**	**7/24/15 16:01**	**CGP**	**P5G0455**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 16:01	CGP	P5G0455
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	7/24/15 16:01	CGP	P5G0455
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	7/24/15 16:01	CGP	P5G0455

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*92 %*	*80-124*
Dibromofluoromethane	*105 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-14B
Prism Sample ID: 5070367-15
Prism Work Order: 5070367
Time Collected: 07/17/15 06:45
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 17:09	CGP	P5G0455
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 17:09	CGP	P5G0455
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	7/24/15 17:09	CGP	P5G0455
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 17:09	CGP	P5G0455
1,1-Dichloroethane	**0.87**	**ug/L**	**0.50**	**0.083**	**1**	**8260B**	**7/24/15 17:09**	**CGP**	**P5G0455**
1,1-Dichloroethylene	**2.3**	**ug/L**	**0.50**	**0.083**	**1**	**8260B**	**7/24/15 17:09**	**CGP**	**P5G0455**
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 17:09	CGP	P5G0455
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 17:09	CGP	P5G0455
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 17:09	CGP	P5G0455
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 17:09	CGP	P5G0455
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	7/24/15 17:09	CGP	P5G0455
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 17:09	CGP	P5G0455
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	7/24/15 17:09	CGP	P5G0455
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	7/24/15 17:09	CGP	P5G0455
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 17:09	CGP	P5G0455
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 17:09	CGP	P5G0455
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	7/24/15 17:09	CGP	P5G0455
Acetone	BRL	ug/L	5.0	0.31	1	8260B	7/24/15 17:09	CGP	P5G0455
Acrolein	BRL	ug/L	20	0.20	1	8260B	7/24/15 17:09	CGP	P5G0455
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	7/24/15 17:09	CGP	P5G0455
Benzene	BRL	ug/L	0.50	0.048	1	8260B	7/24/15 17:09	CGP	P5G0455
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	7/24/15 17:09	CGP	P5G0455
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	7/24/15 17:09	CGP	P5G0455
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 17:09	CGP	P5G0455
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	7/24/15 17:09	CGP	P5G0455
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	7/24/15 17:09	CGP	P5G0455
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	7/24/15 17:09	CGP	P5G0455
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 17:09	CGP	P5G0455
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 17:09	CGP	P5G0455
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	7/24/15 17:09	CGP	P5G0455
Chloroform	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 17:09	CGP	P5G0455
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 17:09	CGP	P5G0455
cis-1,2-Dichloroethylene	**3.9**	**ug/L**	**0.50**	**0.056**	**1**	**8260B**	**7/24/15 17:09**	**CGP**	**P5G0455**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 17:09	CGP	P5G0455

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-14B
Prism Sample ID: 5070367-15
Prism Work Order: 5070367
Time Collected: 07/17/15 06:45
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	7/24/15 17:09	CGP	P5G0455
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	7/24/15 17:09	CGP	P5G0455
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	7/24/15 17:09	CGP	P5G0455
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 17:09	CGP	P5G0455
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	7/24/15 17:09	CGP	P5G0455
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 17:09	CGP	P5G0455
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 17:09	CGP	P5G0455
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	7/24/15 17:09	CGP	P5G0455
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	7/24/15 17:09	CGP	P5G0455
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	7/24/15 17:09	CGP	P5G0455
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	7/24/15 17:09	CGP	P5G0455
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	7/24/15 17:09	CGP	P5G0455
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	7/24/15 17:09	CGP	P5G0455
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	7/24/15 17:09	CGP	P5G0455
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	7/24/15 17:09	CGP	P5G0455
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	7/24/15 17:09	CGP	P5G0455
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 17:09	CGP	P5G0455
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 17:09	CGP	P5G0455
Styrene	BRL	ug/L	0.50	0.047	1	8260B	7/24/15 17:09	CGP	P5G0455
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	7/24/15 17:09	CGP	P5G0455
Tetrachloroethylene	**2.2**	**ug/L**	**0.50**	**0.098**	**1**	**8260B**	**7/24/15 17:09**	**CGP**	**P5G0455**
Toluene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 17:09	CGP	P5G0455
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	7/24/15 17:09	CGP	P5G0455
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	7/24/15 17:09	CGP	P5G0455
Trichloroethylene	**280**	**ug/L**	**50**	**7.8**	**100**	**8260B**	**7/24/15 17:43**	**CGP**	**P5G0455**
Trichlorofluoromethane	**4.4**	**ug/L**	**0.50**	**0.062**	**1**	**8260B**	**7/24/15 17:09**	**CGP**	**P5G0455**
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	7/24/15 17:09	CGP	P5G0455
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	7/24/15 17:09	CGP	P5G0455

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*89 %*	*80-124*
Dibromofluoromethane	*102 %*	*75-129*
Toluene-d8	*96 %*	*77-123*

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-15A
Prism Sample ID: 5070367-16
Prism Work Order: 5070367
Time Collected: 07/17/15 12:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
1,2-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
1,3-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
1,4-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
1-Methylnaphthalene	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
2,4,5-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	7/24/15 12:48	JMV	P5G0413
2,4,6-Trichlorophenol	BRL	ug/L	10	2.6	1	8270D	7/24/15 12:48	JMV	P5G0413
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
2,4-Dimethylphenol	BRL	ug/L	10	2.3	1	8270D	7/24/15 12:48	JMV	P5G0413
2,4-Dinitrophenol	BRL	ug/L	10	3.7	1	8270D	7/24/15 12:48	JMV	P5G0413
2,4-Dinitrotoluene	BRL	ug/L	10	1.9	1	8270D	7/24/15 12:48	JMV	P5G0413
2,6-Dinitrotoluene	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
2-Chloronaphthalene	BRL	ug/L	10	3.4	1	8270D	7/24/15 12:48	JMV	P5G0413
2-Chlorophenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
2-Methylnaphthalene	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
2-Methylphenol	BRL	ug/L	10	2.1	1	8270D	7/24/15 12:48	JMV	P5G0413
2-Nitroaniline	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
3,3'-Dichlorobenzidine	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
3/4-Methylphenol	BRL	ug/L	10	1.9	1	8270D	7/24/15 12:48	JMV	P5G0413
3-Nitroaniline	BRL	ug/L	10	1.2	1	8270D	7/24/15 12:48	JMV	P5G0413
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	7/24/15 12:48	JMV	P5G0413
4-Chloro-3-methylphenol	BRL	ug/L	10	1.9	1	8270D	7/24/15 12:48	JMV	P5G0413
4-Chloroaniline	BRL	ug/L	10	1.8	1	8270D	7/24/15 12:48	JMV	P5G0413
4-Chlorophenyl phenyl ether	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
4-Nitroaniline	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
4-Nitrophenol	BRL	ug/L	10	0.66	1	8270D	7/24/15 12:48	JMV	P5G0413
Acenaphthene	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
Acenaphthylene	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
Aniline	BRL	ug/L	10	2.1	1	8270D	7/24/15 12:48	JMV	P5G0413
Anthracene	BRL	ug/L	10	3.0	1	8270D	7/24/15 12:48	JMV	P5G0413
Azobenzene	BRL	ug/L	10	1.8	1	8270D	7/24/15 12:48	JMV	P5G0413
Benzo(a)anthracene	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
Benzo(a)pyrene	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	7/24/15 12:48	JMV	P5G0413
Benzo(g,h,i)perylene	BRL	ug/L	10	1.8	1	8270D	7/24/15 12:48	JMV	P5G0413
Benzo(k)fluoranthene	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
Benzoic Acid	BRL	ug/L	100	2.7	1	8270D	7/24/15 12:48	JMV	P5G0413
Benzyl alcohol	BRL	ug/L	10	1.8	1	8270D	7/24/15 12:48	JMV	P5G0413
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-15A
Prism Sample ID: 5070367-16
Prism Work Order: 5070367
Time Collected: 07/17/15 12:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
Butyl benzyl phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
Chrysene	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
Dibenzo(a,h)anthracene	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
Dibenzofuran	BRL	ug/L	10	2.3	1	8270D	7/24/15 12:48	JMV	P5G0413
Diethyl phthalate	BRL	ug/L	10	1.9	1	8270D	7/24/15 12:48	JMV	P5G0413
Dimethyl phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
Di-n-butyl phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 12:48	JMV	P5G0413
Di-n-octyl phthalate	BRL	ug/L	10	1.7	1	8270D	7/24/15 12:48	JMV	P5G0413
Fluoranthene	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
Fluorene	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
Hexachlorobenzene	BRL	ug/L	10	1.9	1	8270D	7/24/15 12:48	JMV	P5G0413
Hexachlorobutadiene	BRL	ug/L	10	2.6	1	8270D	7/24/15 12:48	JMV	P5G0413
Hexachlorocyclopentadiene	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413
Hexachloroethane	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	2.1	1	8270D	7/24/15 12:48	JMV	P5G0413
Isophorone	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
Naphthalene	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
Nitrobenzene	BRL	ug/L	10	2.4	1	8270D	7/24/15 12:48	JMV	P5G0413
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
N-Nitrosodiphenylamine	BRL	ug/L	10	1.8	1	8270D	7/24/15 12:48	JMV	P5G0413
Pentachlorophenol	BRL	ug/L	10	2.5	1	8270D	7/24/15 12:48	JMV	P5G0413
Phenanthrene	BRL	ug/L	10	1.8	1	8270D	7/24/15 12:48	JMV	P5G0413
Phenol	BRL	ug/L	10	1.2	1	8270D	7/24/15 12:48	JMV	P5G0413
Pyrene	BRL	ug/L	10	2.2	1	8270D	7/24/15 12:48	JMV	P5G0413

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*97 %*	*49-109*
2-Fluorobiphenyl	*96 %*	*55-96*
2-Fluorophenol	*63 %*	*27-74*
Nitrobenzene-d5	*91 %*	*53-99*
Phenol-d5	*42 %*	*11-52*
Terphenyl-d14	*102 %*	*42-133*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 20:34	CGP	P5G0455
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 20:34	CGP	P5G0455
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	7/24/15 20:34	CGP	P5G0455
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 20:34	CGP	P5G0455
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	7/24/15 20:34	CGP	P5G0455
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	7/24/15 20:34	CGP	P5G0455
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	7/24/15 20:34	CGP	P5G0455

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-15A
Prism Sample ID: 5070367-16
Prism Work Order: 5070367
Time Collected: 07/17/15 12:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 20:34	CGP	P5G0455
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 20:34	CGP	P5G0455
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 20:34	CGP	P5G0455
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 20:34	CGP	P5G0455
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	7/24/15 20:34	CGP	P5G0455
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 20:34	CGP	P5G0455
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	7/24/15 20:34	CGP	P5G0455
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	7/24/15 20:34	CGP	P5G0455
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 20:34	CGP	P5G0455
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 20:34	CGP	P5G0455
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	7/24/15 20:34	CGP	P5G0455
Acetone	BRL	ug/L	5.0	0.31	1	8260B	7/24/15 20:34	CGP	P5G0455
Acrolein	BRL	ug/L	20	0.20	1	8260B	7/24/15 20:34	CGP	P5G0455
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	7/24/15 20:34	CGP	P5G0455
Benzene	BRL	ug/L	0.50	0.048	1	8260B	7/24/15 20:34	CGP	P5G0455
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	7/24/15 20:34	CGP	P5G0455
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	7/24/15 20:34	CGP	P5G0455
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 20:34	CGP	P5G0455
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	7/24/15 20:34	CGP	P5G0455
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	7/24/15 20:34	CGP	P5G0455
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	7/24/15 20:34	CGP	P5G0455
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 20:34	CGP	P5G0455
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 20:34	CGP	P5G0455
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	7/24/15 20:34	CGP	P5G0455
Chloroform	**1.4**	**ug/L**	**0.50**	**0.076**	**1**	**8260B**	**7/24/15 20:34**	**CGP**	**P5G0455**
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 20:34	CGP	P5G0455
cis-1,2-Dichloroethylene	**8.8**	**ug/L**	**0.50**	**0.056**	**1**	**8260B**	**7/24/15 20:34**	**CGP**	**P5G0455**
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 20:34	CGP	P5G0455
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	7/24/15 20:34	CGP	P5G0455
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	7/24/15 20:34	CGP	P5G0455
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	7/24/15 20:34	CGP	P5G0455
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 20:34	CGP	P5G0455
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	7/24/15 20:34	CGP	P5G0455
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 20:34	CGP	P5G0455
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 20:34	CGP	P5G0455
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	7/24/15 20:34	CGP	P5G0455
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	7/24/15 20:34	CGP	P5G0455
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	7/24/15 20:34	CGP	P5G0455

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-15A
Prism Sample ID: 5070367-16
Prism Work Order: 5070367
Time Collected: 07/17/15 12:30
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	7/24/15 20:34	CGP	P5G0455
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	7/24/15 20:34	CGP	P5G0455
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	7/24/15 20:34	CGP	P5G0455
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	7/24/15 20:34	CGP	P5G0455
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	7/24/15 20:34	CGP	P5G0455
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	7/24/15 20:34	CGP	P5G0455
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 20:34	CGP	P5G0455
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 20:34	CGP	P5G0455
Styrene	BRL	ug/L	0.50	0.047	1	8260B	7/24/15 20:34	CGP	P5G0455
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	7/24/15 20:34	CGP	P5G0455
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	7/24/15 20:34	CGP	P5G0455
Toluene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 20:34	CGP	P5G0455
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	7/24/15 20:34	CGP	P5G0455
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	7/24/15 20:34	CGP	P5G0455
Trichloroethylene	**250**	**ug/L**	**50**	**7.8**	**100**	**8260B**	**7/24/15 21:08**	**CGP**	**P5G0455**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 20:34	CGP	P5G0455
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	7/24/15 20:34	CGP	P5G0455
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	7/24/15 20:34	CGP	P5G0455

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*91 %*	*80-124*
Dibromofluoromethane	*104 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-16A
Prism Sample ID: 5070367-17
Prism Work Order: 5070367
Time Collected: 07/17/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
1,2-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
1,3-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
1,4-Dichlorobenzene	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
1-Methylnaphthalene	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
2,4,5-Trichlorophenol	BRL	ug/L	10	2.3	1	8270D	7/24/15 13:09	JMV	P5G0413
2,4,6-Trichlorophenol	BRL	ug/L	10	2.6	1	8270D	7/24/15 13:09	JMV	P5G0413
2,4-Dichlorophenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
2,4-Dimethylphenol	BRL	ug/L	10	2.3	1	8270D	7/24/15 13:09	JMV	P5G0413
2,4-Dinitrophenol	BRL	ug/L	10	3.7	1	8270D	7/24/15 13:09	JMV	P5G0413
2,4-Dinitrotoluene	BRL	ug/L	10	1.9	1	8270D	7/24/15 13:09	JMV	P5G0413
2,6-Dinitrotoluene	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
2-Chloronaphthalene	BRL	ug/L	10	3.4	1	8270D	7/24/15 13:09	JMV	P5G0413
2-Chlorophenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
2-Methylnaphthalene	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
2-Methylphenol	BRL	ug/L	10	2.1	1	8270D	7/24/15 13:09	JMV	P5G0413
2-Nitroaniline	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
2-Nitrophenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
3,3'-Dichlorobenzidine	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
3/4-Methylphenol	BRL	ug/L	10	1.9	1	8270D	7/24/15 13:09	JMV	P5G0413
3-Nitroaniline	BRL	ug/L	10	1.2	1	8270D	7/24/15 13:09	JMV	P5G0413
4,6-Dinitro-2-methylphenol	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
4-Bromophenyl phenyl ether	BRL	ug/L	10	1.8	1	8270D	7/24/15 13:09	JMV	P5G0413
4-Chloro-3-methylphenol	BRL	ug/L	10	1.9	1	8270D	7/24/15 13:09	JMV	P5G0413
4-Chloroaniline	BRL	ug/L	10	1.8	1	8270D	7/24/15 13:09	JMV	P5G0413
4-Chlorophenyl phenyl ether	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
4-Nitroaniline	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
4-Nitrophenol	BRL	ug/L	10	0.66	1	8270D	7/24/15 13:09	JMV	P5G0413
Acenaphthene	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
Acenaphthylene	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
Aniline	BRL	ug/L	10	2.1	1	8270D	7/24/15 13:09	JMV	P5G0413
Anthracene	BRL	ug/L	10	3.0	1	8270D	7/24/15 13:09	JMV	P5G0413
Azobenzene	BRL	ug/L	10	1.8	1	8270D	7/24/15 13:09	JMV	P5G0413
Benzo(a)anthracene	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
Benzo(a)pyrene	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
Benzo(b)fluoranthene	BRL	ug/L	10	1.4	1	8270D	7/24/15 13:09	JMV	P5G0413
Benzo(g,h,i)perylene	BRL	ug/L	10	1.8	1	8270D	7/24/15 13:09	JMV	P5G0413
Benzo(k)fluoranthene	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
Benzoic Acid	BRL	ug/L	100	2.7	1	8270D	7/24/15 13:09	JMV	P5G0413
Benzyl alcohol	BRL	ug/L	10	1.8	1	8270D	7/24/15 13:09	JMV	P5G0413
bis(2-Chloroethoxy)methane	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
Bis(2-Chloroethyl)ether	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-16A
Prism Sample ID: 5070367-17
Prism Work Order: 5070367
Time Collected: 07/17/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Bis(2-chloroisopropyl)ether	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
Bis(2-Ethylhexyl)phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
Butyl benzyl phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
Chrysene	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
Dibenzo(a,h)anthracene	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
Dibenzofuran	BRL	ug/L	10	2.3	1	8270D	7/24/15 13:09	JMV	P5G0413
Diethyl phthalate	BRL	ug/L	10	1.9	1	8270D	7/24/15 13:09	JMV	P5G0413
Dimethyl phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
Di-n-butyl phthalate	BRL	ug/L	10	2.0	1	8270D	7/24/15 13:09	JMV	P5G0413
Di-n-octyl phthalate	BRL	ug/L	10	1.7	1	8270D	7/24/15 13:09	JMV	P5G0413
Fluoranthene	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
Fluorene	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
Hexachlorobenzene	BRL	ug/L	10	1.9	1	8270D	7/24/15 13:09	JMV	P5G0413
Hexachlorobutadiene	BRL	ug/L	10	2.6	1	8270D	7/24/15 13:09	JMV	P5G0413
Hexachlorocyclopentadiene	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413
Hexachloroethane	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
Indeno(1,2,3-cd)pyrene	BRL	ug/L	10	2.1	1	8270D	7/24/15 13:09	JMV	P5G0413
Isophorone	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
Naphthalene	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
Nitrobenzene	BRL	ug/L	10	2.4	1	8270D	7/24/15 13:09	JMV	P5G0413
N-Nitroso-di-n-propylamine	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
N-Nitrosodiphenylamine	BRL	ug/L	10	1.8	1	8270D	7/24/15 13:09	JMV	P5G0413
Pentachlorophenol	BRL	ug/L	10	2.5	1	8270D	7/24/15 13:09	JMV	P5G0413
Phenanthrene	BRL	ug/L	10	1.8	1	8270D	7/24/15 13:09	JMV	P5G0413
Phenol	BRL	ug/L	10	1.2	1	8270D	7/24/15 13:09	JMV	P5G0413
Pyrene	BRL	ug/L	10	2.2	1	8270D	7/24/15 13:09	JMV	P5G0413

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*101 %*	*49-109*
2-Fluorobiphenyl	*94 %*	*55-96*
2-Fluorophenol	*65 %*	*27-74*
Nitrobenzene-d5	*89 %*	*53-99*
Phenol-d5	*45 %*	*11-52*
Terphenyl-d14	*105 %*	*42-133*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 18:17	CGP	P5G0455
1,1,1-Trichloroethane	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 18:17	CGP	P5G0455
1,1,2,2-Tetrachloroethane	BRL	ug/L	0.50	0.036	1	8260B	7/24/15 18:17	CGP	P5G0455
1,1,2-Trichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 18:17	CGP	P5G0455
1,1-Dichloroethane	BRL	ug/L	0.50	0.083	1	8260B	7/24/15 18:17	CGP	P5G0455
1,1-Dichloroethylene	BRL	ug/L	0.50	0.083	1	8260B	7/24/15 18:17	CGP	P5G0455
1,1-Dichloropropylene	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2,3-Trichlorobenzene	BRL	ug/L	2.0	0.40	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2,3-Trichloropropane	BRL	ug/L	1.0	0.14	1	8260B	7/24/15 18:17	CGP	P5G0455

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-16A
Prism Sample ID: 5070367-17
Prism Work Order: 5070367
Time Collected: 07/17/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trichlorobenzene	BRL	ug/L	1.0	0.13	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2,4-Trimethylbenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2-Dibromo-3-chloropropane	BRL	ug/L	2.0	0.17	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2-Dibromoethane	BRL	ug/L	0.50	0.051	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2-Dichlorobenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2-Dichloroethane	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 18:17	CGP	P5G0455
1,2-Dichloropropane	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 18:17	CGP	P5G0455
1,3,5-Trimethylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 18:17	CGP	P5G0455
1,3-Dichlorobenzene	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 18:17	CGP	P5G0455
1,3-Dichloropropane	BRL	ug/L	0.50	0.043	1	8260B	7/24/15 18:17	CGP	P5G0455
1,4-Dichlorobenzene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 18:17	CGP	P5G0455
2,2-Dichloropropane	BRL	ug/L	2.0	0.11	1	8260B	7/24/15 18:17	CGP	P5G0455
2-Chloroethyl Vinyl Ether	BRL	ug/L	5.0	0.37	1	8260B	7/24/15 18:17	CGP	P5G0455
2-Chlorotoluene	BRL	ug/L	0.50	0.066	1	8260B	7/24/15 18:17	CGP	P5G0455
4-Chlorotoluene	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 18:17	CGP	P5G0455
4-Isopropyltoluene	BRL	ug/L	0.50	0.089	1	8260B	7/24/15 18:17	CGP	P5G0455
Acetone	BRL	ug/L	5.0	0.31	1	8260B	7/24/15 18:17	CGP	P5G0455
Acrolein	BRL	ug/L	20	0.20	1	8260B	7/24/15 18:17	CGP	P5G0455
Acrylonitrile	BRL	ug/L	20	0.20	1	8260B	7/24/15 18:17	CGP	P5G0455
Benzene	BRL	ug/L	0.50	0.048	1	8260B	7/24/15 18:17	CGP	P5G0455
Bromobenzene	BRL	ug/L	0.50	0.057	1	8260B	7/24/15 18:17	CGP	P5G0455
Bromochloromethane	BRL	ug/L	0.50	0.14	1	8260B	7/24/15 18:17	CGP	P5G0455
Bromodichloromethane	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 18:17	CGP	P5G0455
Bromoform	BRL	ug/L	1.0	0.040	1	8260B	7/24/15 18:17	CGP	P5G0455
Bromomethane	BRL	ug/L	1.0	0.18	1	8260B	7/24/15 18:17	CGP	P5G0455
Carbon disulfide	BRL	ug/L	5.0	0.075	1	8260B	7/24/15 18:17	CGP	P5G0455
Carbon Tetrachloride	BRL	ug/L	0.50	0.11	1	8260B	7/24/15 18:17	CGP	P5G0455
Chlorobenzene	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 18:17	CGP	P5G0455
Chloroethane	BRL	ug/L	0.50	0.22	1	8260B	7/24/15 18:17	CGP	P5G0455
Chloroform	**1.4**	**ug/L**	**0.50**	**0.076**	**1**	**8260B**	**7/24/15 18:17**	**CGP**	**P5G0455**
Chloromethane	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 18:17	CGP	P5G0455
cis-1,2-Dichloroethylene	BRL	ug/L	0.50	0.056	1	8260B	7/24/15 18:17	CGP	P5G0455
cis-1,3-Dichloropropylene	BRL	ug/L	0.50	0.079	1	8260B	7/24/15 18:17	CGP	P5G0455
Dibromochloromethane	BRL	ug/L	0.50	0.081	1	8260B	7/24/15 18:17	CGP	P5G0455
Dibromomethane	BRL	ug/L	0.50	0.065	1	8260B	7/24/15 18:17	CGP	P5G0455
Dichlorodifluoromethane	BRL	ug/L	1.0	0.11	1	8260B	7/24/15 18:17	CGP	P5G0455
Ethylbenzene	BRL	ug/L	0.50	0.061	1	8260B	7/24/15 18:17	CGP	P5G0455
Hexachlorobutadiene	BRL	ug/L	2.0	0.16	1	8260B	7/24/15 18:17	CGP	P5G0455
Isopropyl Ether	BRL	ug/L	0.50	0.050	1	8260B	7/24/15 18:17	CGP	P5G0455
Isopropylbenzene (Cumene)	BRL	ug/L	0.50	0.054	1	8260B	7/24/15 18:17	CGP	P5G0455
m,p-Xylenes	BRL	ug/L	1.0	0.12	1	8260B	7/24/15 18:17	CGP	P5G0455
Methyl Butyl Ketone (2-Hexanone)	BRL	ug/L	5.0	0.065	1	8260B	7/24/15 18:17	CGP	P5G0455
Methyl Ethyl Ketone (2-Butanone)	BRL	ug/L	5.0	0.24	1	8260B	7/24/15 18:17	CGP	P5G0455

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Sample Matrix: Water

Client Sample ID: MW-16A
Prism Sample ID: 5070367-17
Prism Work Order: 5070367
Time Collected: 07/17/15 12:15
Time Submitted: 07/20/15 08:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Methyl Isobutyl Ketone	BRL	ug/L	5.0	0.078	1	8260B	7/24/15 18:17	CGP	P5G0455
Methylene Chloride	BRL	ug/L	1.0	0.083	1	8260B	7/24/15 18:17	CGP	P5G0455
Methyl-tert-Butyl Ether	BRL	ug/L	0.50	0.042	1	8260B	7/24/15 18:17	CGP	P5G0455
Naphthalene	BRL	ug/L	1.0	0.19	1	8260B	7/24/15 18:17	CGP	P5G0455
n-Butylbenzene	BRL	ug/L	1.0	0.076	1	8260B	7/24/15 18:17	CGP	P5G0455
n-Propylbenzene	BRL	ug/L	0.50	0.087	1	8260B	7/24/15 18:17	CGP	P5G0455
o-Xylene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 18:17	CGP	P5G0455
sec-Butylbenzene	BRL	ug/L	0.50	0.076	1	8260B	7/24/15 18:17	CGP	P5G0455
Styrene	BRL	ug/L	0.50	0.047	1	8260B	7/24/15 18:17	CGP	P5G0455
tert-Butylbenzene	BRL	ug/L	0.50	0.088	1	8260B	7/24/15 18:17	CGP	P5G0455
Tetrachloroethylene	BRL	ug/L	0.50	0.098	1	8260B	7/24/15 18:17	CGP	P5G0455
Toluene	BRL	ug/L	0.50	0.044	1	8260B	7/24/15 18:17	CGP	P5G0455
trans-1,2-Dichloroethylene	BRL	ug/L	0.50	0.094	1	8260B	7/24/15 18:17	CGP	P5G0455
trans-1,3-Dichloropropylene	BRL	ug/L	0.50	0.070	1	8260B	7/24/15 18:17	CGP	P5G0455
Trichloroethylene	**1.7**	**ug/L**	**0.50**	**0.078**	**1**	**8260B**	**7/24/15 18:17**	**CGP**	**P5G0455**
Trichlorofluoromethane	BRL	ug/L	0.50	0.062	1	8260B	7/24/15 18:17	CGP	P5G0455
Vinyl acetate	BRL	ug/L	2.0	0.060	1	8260B	7/24/15 18:17	CGP	P5G0455
Vinyl chloride	BRL	ug/L	0.50	0.097	1	8260B	7/24/15 18:17	CGP	P5G0455

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*92 %*	*80-124*
Dibromofluoromethane	*106 %*	*75-129*
Toluene-d8	*97 %*	*77-123*

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0455 - 5030B										
Blank (P5G0455-BLK1)				Prepared & Analyzed: 07/24/15						
1,1,1,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,1-Trichloroethane	BRL	0.50	ug/L							
1,1,2,2-Tetrachloroethane	BRL	0.50	ug/L							
1,1,2-Trichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethane	BRL	0.50	ug/L							
1,1-Dichloroethylene	BRL	0.50	ug/L							
1,1-Dichloropropylene	BRL	0.50	ug/L							
1,2,3-Trichlorobenzene	BRL	2.0	ug/L							
1,2,3-Trichloropropane	BRL	1.0	ug/L							
1,2,4-Trichlorobenzene	BRL	1.0	ug/L							
1,2,4-Trimethylbenzene	BRL	0.50	ug/L							
1,2-Dibromo-3-chloropropane	BRL	2.0	ug/L							
1,2-Dibromoethane	BRL	0.50	ug/L							
1,2-Dichlorobenzene	BRL	0.50	ug/L							
1,2-Dichloroethane	BRL	0.50	ug/L							
1,2-Dichloropropane	BRL	0.50	ug/L							
1,3,5-Trimethylbenzene	BRL	0.50	ug/L							
1,3-Dichlorobenzene	BRL	0.50	ug/L							
1,3-Dichloropropane	BRL	0.50	ug/L							
1,4-Dichlorobenzene	BRL	0.50	ug/L							
2,2-Dichloropropane	BRL	2.0	ug/L							
2-Chloroethyl Vinyl Ether	BRL	5.0	ug/L							
2-Chlorotoluene	BRL	0.50	ug/L							
4-Chlorotoluene	BRL	0.50	ug/L							
4-Isopropyltoluene	BRL	0.50	ug/L							
Acetone	BRL	5.0	ug/L							
Acrolein	BRL	20	ug/L							
Acrylonitrile	BRL	20	ug/L							
Benzene	BRL	0.50	ug/L							
Bromobenzene	BRL	0.50	ug/L							
Bromochloromethane	BRL	0.50	ug/L							
Bromodichloromethane	BRL	0.50	ug/L							
Bromoform	BRL	1.0	ug/L							
Bromomethane	BRL	1.0	ug/L							
Carbon disulfide	BRL	5.0	ug/L							
Carbon Tetrachloride	BRL	0.50	ug/L							
Chlorobenzene	BRL	0.50	ug/L							
Chloroethane	BRL	0.50	ug/L							
Chloroform	BRL	0.50	ug/L							
Chloromethane	BRL	0.50	ug/L							
cis-1,2-Dichloroethylene	BRL	0.50	ug/L							
cis-1,3-Dichloropropylene	BRL	0.50	ug/L							
Dibromochloromethane	BRL	0.50	ug/L							
Dibromomethane	BRL	0.50	ug/L							
Dichlorodifluoromethane	BRL	1.0	ug/L							
Ethylbenzene	BRL	0.50	ug/L							

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Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0455 - 5030B										
Blank (P5G0455-BLK1)				Prepared & Analyzed: 07/24/15						
Hexachlorobutadiene	BRL	2.0	ug/L							
Isopropyl Ether	BRL	0.50	ug/L							
Isopropylbenzene (Cumene)	BRL	0.50	ug/L							
m,p-Xylenes	BRL	1.0	ug/L							
Methyl Butyl Ketone (2-Hexanone)	BRL	5.0	ug/L							
Methyl Ethyl Ketone (2-Butanone)	BRL	5.0	ug/L							
Methyl Isobutyl Ketone	BRL	5.0	ug/L							
Methylene Chloride	BRL	1.0	ug/L							
Methyl-tert-Butyl Ether	BRL	0.50	ug/L							
Naphthalene	BRL	1.0	ug/L							
n-Butylbenzene	BRL	1.0	ug/L							
n-Propylbenzene	BRL	0.50	ug/L							
o-Xylene	BRL	0.50	ug/L							
sec-Butylbenzene	BRL	0.50	ug/L							
Styrene	BRL	0.50	ug/L							
tert-Butylbenzene	BRL	0.50	ug/L							
Tetrachloroethylene	BRL	0.50	ug/L							
Toluene	BRL	0.50	ug/L							
trans-1,2-Dichloroethylene	BRL	0.50	ug/L							
trans-1,3-Dichloropropylene	BRL	0.50	ug/L							
Trichloroethylene	BRL	0.50	ug/L							
Trichlorofluoromethane	BRL	0.50	ug/L							
Vinyl acetate	BRL	2.0	ug/L							
Vinyl chloride	BRL	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/L*	*25.00*		*92*	*80-124*			
Surrogate: Dibromofluoromethane	*25.8*		*ug/L*	*25.00*		*103*	*75-129*			
Surrogate: Toluene-d8	*24.3*		*ug/L*	*25.00*		*97*	*77-123*			

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409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0455 - 5030B										
LCS (P5G0455-BS1)				Prepared & Analyzed: 07/24/15						
1,1,1,2-Tetrachloroethane	20.3	0.50	ug/L	20.00		102	79-134			
1,1,1-Trichloroethane	20.3	0.50	ug/L	20.00		102	75-136			
1,1,2,2-Tetrachloroethane	16.9	0.50	ug/L	20.00		84	62-127			
1,1,2-Trichloroethane	19.7	0.50	ug/L	20.00		98	70-140			
1,1-Dichloroethane	19.4	0.50	ug/L	20.00		97	78-130			
1,1-Dichloroethylene	22.5	0.50	ug/L	20.00		113	70-154			
1,1-Dichloropropylene	25.1	0.50	ug/L	20.00		126	71-136			
1,2,3-Trichlorobenzene	21.8	2.0	ug/L	20.00		109	58-144			
1,2,3-Trichloropropane	19.5	1.0	ug/L	20.00		98	71-127			
1,2,4-Trichlorobenzene	22.0	1.0	ug/L	20.00		110	66-139			
1,2,4-Trimethylbenzene	20.1	0.50	ug/L	20.00		101	75-133			
1,2-Dibromo-3-chloropropane	16.2	2.0	ug/L	20.00		81	63-134			
1,2-Dibromoethane	20.5	0.50	ug/L	20.00		103	77-135			
1,2-Dichlorobenzene	21.7	0.50	ug/L	20.00		109	78-128			
1,2-Dichloroethane	18.8	0.50	ug/L	20.00		94	68-131			
1,2-Dichloropropane	21.0	0.50	ug/L	20.00		105	77-130			
1,3,5-Trimethylbenzene	20.8	0.50	ug/L	20.00		104	75-131			
1,3-Dichlorobenzene	22.4	0.50	ug/L	20.00		112	77-125			
1,3-Dichloropropane	20.1	0.50	ug/L	20.00		100	76-132			
1,4-Dichlorobenzene	22.1	0.50	ug/L	20.00		111	75-126			
2,2-Dichloropropane	18.1	2.0	ug/L	20.00		91	29-149			
2-Chloroethyl Vinyl Ether	6.18	5.0	ug/L	20.00		31	34-144			L
2-Chlorotoluene	21.4	0.50	ug/L	20.00		107	74-126			
4-Chlorotoluene	21.5	0.50	ug/L	20.00		107	78-129			
4-Isopropyltoluene	22.6	0.50	ug/L	20.00		113	69-132			
Acetone	36.2	5.0	ug/L	40.00		90	40-166			
Acrolein	32.8	20	ug/L	40.00		82	70-130			
Acrylonitrile	37.2	20	ug/L	40.00		93	81-127			
Benzene	23.6	0.50	ug/L	20.00		118	77-128			
Bromobenzene	19.1	0.50	ug/L	20.00		95	78-129			
Bromochloromethane	19.3	0.50	ug/L	20.00		97	78-135			
Bromodichloromethane	17.6	0.50	ug/L	20.00		88	76-138			
Bromoform	18.4	1.0	ug/L	20.00		92	71-135			
Bromomethane	19.1	1.0	ug/L	20.00		95	41-168			
Carbon disulfide	24.4	5.0	ug/L	20.00		122	59-135			
Carbon Tetrachloride	24.0	0.50	ug/L	20.00		120	72-142			
Chlorobenzene	22.4	0.50	ug/L	20.00		112	78-119			
Chloroethane	22.1	0.50	ug/L	20.00		110	57-142			
Chloroform	18.9	0.50	ug/L	20.00		95	77-130			
Chloromethane	19.0	0.50	ug/L	20.00		95	47-145			
cis-1,2-Dichloroethylene	19.7	0.50	ug/L	20.00		99	76-141			
cis-1,3-Dichloropropylene	19.2	0.50	ug/L	20.00		96	65-140			
Dibromochloromethane	18.4	0.50	ug/L	20.00		92	75-134			
Dibromomethane	20.7	0.50	ug/L	20.00		104	76-138			
Dichlorodifluoromethane	20.7	1.0	ug/L	20.00		103	28-163			
Ethylbenzene	22.6	0.50	ug/L	20.00		113	80-127			

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0455 - 5030B										
LCS (P5G0455-BS1)				Prepared & Analyzed: 07/24/15						
Hexachlorobutadiene	25.4	2.0	ug/L	20.00		127	61-134			
Isopropyl Ether	16.9	0.50	ug/L	20.00		85	60-154			
Isopropylbenzene (Cumene)	24.5	0.50	ug/L	20.00		123	70-130			
m,p-Xylenes	45.9	1.0	ug/L	40.00		115	77-133			
Methyl Butyl Ketone (2-Hexanone)	13.3	5.0	ug/L	20.00		66	64-137			
Methyl Ethyl Ketone (2-Butanone)	16.2	5.0	ug/L	20.00		81	71-134			
Methyl Isobutyl Ketone	12.7	5.0	ug/L	20.00		63	69-134			L
Methylene Chloride	19.9	1.0	ug/L	20.00		100	73-131			
Methyl-tert-Butyl Ether	16.8	0.50	ug/L	20.00		84	68-135			
Naphthalene	17.6	1.0	ug/L	20.00		88	64-136			
n-Butylbenzene	21.4	1.0	ug/L	20.00		107	68-134			
n-Propylbenzene	23.2	0.50	ug/L	20.00		116	72-132			
o-Xylene	22.0	0.50	ug/L	20.00		110	78-128			
sec-Butylbenzene	24.8	0.50	ug/L	20.00		124	71-131			
Styrene	22.1	0.50	ug/L	20.00		110	78-129			
tert-Butylbenzene	22.4	0.50	ug/L	20.00		112	70-132			
Tetrachloroethylene	24.1	0.50	ug/L	20.00		121	80-129			
Toluene	22.6	0.50	ug/L	20.00		113	76-131			
trans-1,2-Dichloroethylene	21.0	0.50	ug/L	20.00		105	76-135			
trans-1,3-Dichloropropylene	18.2	0.50	ug/L	20.00		91	67-140			
Trichloroethylene	24.0	0.50	ug/L	20.00		120	77-133			
Trichlorofluoromethane	27.0	0.50	ug/L	20.00		135	62-148			
Vinyl acetate	18.0	2.0	ug/L	20.00		90	34-167			
Vinyl chloride	21.9	0.50	ug/L	20.00		110	57-141			
Surrogate: 4-Bromofluorobenzene	*21.6*		*ug/L*	*25.00*		*86*	*80-124*			
Surrogate: Dibromofluoromethane	*25.0*		*ug/L*	*25.00*		*100*	*75-129*			
Surrogate: Toluene-d8	*24.3*		*ug/L*	*25.00*		*97*	*77-123*			

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0455 - 5030B										
LCS Dup (P5G0455-BSD1)				Prepared & Analyzed: 07/24/15						
1,1,1,2-Tetrachloroethane	19.9	0.50	ug/L	20.00		100	79-134	2	20	
1,1,1-Trichloroethane	19.3	0.50	ug/L	20.00		96	75-136	5	20	
1,1,2,2-Tetrachloroethane	16.6	0.50	ug/L	20.00		83	62-127	1	20	
1,1,2-Trichloroethane	18.3	0.50	ug/L	20.00		91	70-140	7	20	
1,1-Dichloroethane	18.4	0.50	ug/L	20.00		92	78-130	5	20	
1,1-Dichloroethylene	22.2	0.50	ug/L	20.00		111	70-154	1	20	
1,1-Dichloropropylene	23.3	0.50	ug/L	20.00		117	71-136	7	20	
1,2,3-Trichlorobenzene	22.2	2.0	ug/L	20.00		111	58-144	2	20	
1,2,3-Trichloropropane	18.2	1.0	ug/L	20.00		91	71-127	7	20	
1,2,4-Trichlorobenzene	21.9	1.0	ug/L	20.00		109	66-139	0.4	20	
1,2,4-Trimethylbenzene	20.2	0.50	ug/L	20.00		101	75-133	0.2	20	
1,2-Dibromo-3-chloropropane	16.8	2.0	ug/L	20.00		84	63-134	4	20	
1,2-Dibromoethane	20.3	0.50	ug/L	20.00		102	77-135	1	20	
1,2-Dichlorobenzene	21.2	0.50	ug/L	20.00		106	78-128	3	20	
1,2-Dichloroethane	17.8	0.50	ug/L	20.00		89	68-131	5	20	
1,2-Dichloropropane	20.0	0.50	ug/L	20.00		100	77-130	5	20	
1,3,5-Trimethylbenzene	20.2	0.50	ug/L	20.00		101	75-131	3	20	
1,3-Dichlorobenzene	22.4	0.50	ug/L	20.00		112	77-125	0.2	20	
1,3-Dichloropropane	19.9	0.50	ug/L	20.00		100	76-132	0.7	20	
1,4-Dichlorobenzene	21.8	0.50	ug/L	20.00		109	75-126	1	20	
2,2-Dichloropropane	17.6	2.0	ug/L	20.00		88	29-149	3	20	
2-Chloroethyl Vinyl Ether	6.24	5.0	ug/L	20.00		31	34-144	1	20	L
2-Chlorotoluene	21.3	0.50	ug/L	20.00		107	74-126	0.7	20	
4-Chlorotoluene	20.9	0.50	ug/L	20.00		105	78-129	3	20	
4-Isopropyltoluene	22.3	0.50	ug/L	20.00		111	69-132	2	20	
Acetone	33.6	5.0	ug/L	40.00		84	40-166	7	20	
Acrolein	30.6	20	ug/L	40.00		76	70-130	7	20	
Acrylonitrile	32.1	20	ug/L	40.00		80	81-127	15	20	L2
Benzene	21.9	0.50	ug/L	20.00		109	77-128	8	20	
Bromobenzene	18.9	0.50	ug/L	20.00		95	78-129	0.9	20	
Bromochloromethane	18.7	0.50	ug/L	20.00		94	78-135	3	20	
Bromodichloromethane	17.4	0.50	ug/L	20.00		87	76-138	1	20	
Bromoform	18.4	1.0	ug/L	20.00		92	71-135	0.05	20	
Bromomethane	18.3	1.0	ug/L	20.00		92	41-168	4	20	
Carbon disulfide	22.9	5.0	ug/L	20.00		115	59-135	6	20	
Carbon Tetrachloride	23.1	0.50	ug/L	20.00		116	72-142	4	20	
Chlorobenzene	21.8	0.50	ug/L	20.00		109	78-119	3	20	
Chloroethane	20.7	0.50	ug/L	20.00		104	57-142	7	20	
Chloroform	17.6	0.50	ug/L	20.00		88	77-130	7	20	
Chloromethane	17.6	0.50	ug/L	20.00		88	47-145	8	20	
cis-1,2-Dichloroethylene	18.8	0.50	ug/L	20.00		94	76-141	5	20	
cis-1,3-Dichloropropylene	17.9	0.50	ug/L	20.00		90	65-140	7	20	
Dibromochloromethane	18.0	0.50	ug/L	20.00		90	75-134	3	20	
Dibromomethane	19.1	0.50	ug/L	20.00		96	76-138	8	20	
Dichlorodifluoromethane	19.7	1.0	ug/L	20.00		99	28-163	5	20	
Ethylbenzene	22.1	0.50	ug/L	20.00		110	80-127	2	20	

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Mid-Atlantic Associates, Inc. - Raleigh
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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0455 - 5030B										
LCS Dup (P5G0455-BSD1)				Prepared & Analyzed: 07/24/15						
Hexachlorobutadiene	24.3	2.0	ug/L	20.00		122	61-134	5	20	
Isopropyl Ether	16.2	0.50	ug/L	20.00		81	60-154	4	20	
Isopropylbenzene (Cumene)	23.9	0.50	ug/L	20.00		120	70-130	3	20	
m,p-Xylenes	45.1	1.0	ug/L	40.00		113	77-133	2	20	
Methyl Butyl Ketone (2-Hexanone)	12.3	5.0	ug/L	20.00		62	64-137	8	20	L2
Methyl Ethyl Ketone (2-Butanone)	13.1	5.0	ug/L	20.00		66	71-134	21	20	L2
Methyl Isobutyl Ketone	12.1	5.0	ug/L	20.00		61	69-134	5	20	L
Methylene Chloride	19.0	1.0	ug/L	20.00		95	73-131	5	20	
Methyl-tert-Butyl Ether	15.7	0.50	ug/L	20.00		78	68-135	7	20	
Naphthalene	17.7	1.0	ug/L	20.00		88	64-136	0.3	20	
n-Butylbenzene	21.2	1.0	ug/L	20.00		106	68-134	0.7	20	
n-Propylbenzene	22.9	0.50	ug/L	20.00		115	72-132	1	20	
o-Xylene	21.1	0.50	ug/L	20.00		106	78-128	4	20	
sec-Butylbenzene	24.2	0.50	ug/L	20.00		121	71-131	2	20	
Styrene	21.6	0.50	ug/L	20.00		108	78-129	2	20	
tert-Butylbenzene	22.3	0.50	ug/L	20.00		111	70-132	0.6	20	
Tetrachloroethylene	23.6	0.50	ug/L	20.00		118	80-129	2	20	
Toluene	21.7	0.50	ug/L	20.00		109	76-131	4	20	
trans-1,2-Dichloroethylene	20.1	0.50	ug/L	20.00		101	76-135	4	20	
trans-1,3-Dichloropropylene	17.1	0.50	ug/L	20.00		86	67-140	6	20	
Trichloroethylene	22.6	0.50	ug/L	20.00		113	77-133	6	20	
Trichlorofluoromethane	26.0	0.50	ug/L	20.00		130	62-148	4	20	
Vinyl acetate	16.8	2.0	ug/L	20.00		84	34-167	7	20	
Vinyl chloride	20.8	0.50	ug/L	20.00		104	57-141	5	20	
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/L*	*25.00*		*86*	*80-124*			
Surrogate: Dibromofluoromethane	*24.9*		*ug/L*	*25.00*		*100*	*75-129*			
Surrogate: Toluene-d8	*24.8*		*ug/L*	*25.00*		*99*	*77-123*			

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Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0461 - 5035										
Blank (P5G0461-BLK1)				Prepared & Analyzed: 07/24/15						
1,1,1,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,1-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,2-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethylene	BRL	0.0050	mg/kg wet							
1,1-Dichloropropylene	BRL	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,3-Trichloropropane	BRL	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,2-Dibromoethane	BRL	0.0050	mg/kg wet							
1,2-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,2-Dichloroethane	BRL	0.0050	mg/kg wet							
1,2-Dichloropropane	BRL	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,3-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,3-Dichloropropane	BRL	0.0050	mg/kg wet							
1,4-Dichlorobenzene	BRL	0.0050	mg/kg wet							
2,2-Dichloropropane	BRL	0.0050	mg/kg wet							
2-Chlorotoluene	BRL	0.0050	mg/kg wet							
4-Chlorotoluene	BRL	0.0050	mg/kg wet							
4-Isopropyltoluene	BRL	0.0050	mg/kg wet							
Acetone	BRL	0.050	mg/kg wet							
Benzene	BRL	0.0030	mg/kg wet							
Bromobenzene	BRL	0.0050	mg/kg wet							
Bromochloromethane	BRL	0.0050	mg/kg wet							
Bromodichloromethane	BRL	0.0050	mg/kg wet							
Bromoform	BRL	0.0050	mg/kg wet							
Bromomethane	BRL	0.010	mg/kg wet							
Carbon Tetrachloride	BRL	0.0050	mg/kg wet							
Chlorobenzene	BRL	0.0050	mg/kg wet							
Chloroethane	BRL	0.010	mg/kg wet							
Chloroform	BRL	0.0050	mg/kg wet							
Chloromethane	BRL	0.0050	mg/kg wet							
cis-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
cis-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Dibromochloromethane	BRL	0.0050	mg/kg wet							
Dichlorodifluoromethane	BRL	0.0050	mg/kg wet							
Ethylbenzene	BRL	0.0050	mg/kg wet							
Isopropyl Ether	BRL	0.0050	mg/kg wet							
Isopropylbenzene (Cumene)	BRL	0.0050	mg/kg wet							
m,p-Xylenes	BRL	0.010	mg/kg wet							
Methyl Butyl Ketone (2-Hexanone)	BRL	0.050	mg/kg wet							
Methyl Ethyl Ketone (2-Butanone)	BRL	0.10	mg/kg wet							
Methyl Isobutyl Ketone	BRL	0.050	mg/kg wet							

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0461 - 5035										
Blank (P5G0461-BLK1)				Prepared & Analyzed: 07/24/15						
Methylene Chloride	BRL	0.0050	mg/kg wet							
Methyl-tert-Butyl Ether	BRL	0.010	mg/kg wet							
Naphthalene	BRL	0.010	mg/kg wet							
n-Butylbenzene	BRL	0.0050	mg/kg wet							
n-Propylbenzene	BRL	0.0050	mg/kg wet							
o-Xylene	BRL	0.0050	mg/kg wet							
sec-Butylbenzene	BRL	0.0050	mg/kg wet							
Styrene	BRL	0.0050	mg/kg wet							
tert-Butylbenzene	BRL	0.0050	mg/kg wet							
Tetrachloroethylene	BRL	0.0050	mg/kg wet							
Toluene	BRL	0.0050	mg/kg wet							
trans-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
trans-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Trichloroethylene	BRL	0.0050	mg/kg wet							
Trichlorofluoromethane	BRL	0.0050	mg/kg wet							
Vinyl acetate	BRL	0.025	mg/kg wet							
Vinyl chloride	BRL	0.0050	mg/kg wet							
Xylenes, total	BRL	0.015	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	*0.0531*		*mg/kg wet*	*0.05000*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0462*		*mg/kg wet*	*0.05000*		*92*	*84-123*			
Surrogate: Toluene-d8	*0.0489*		*mg/kg wet*	*0.05000*		*98*	*76-129*			
LCS (P5G0461-BS1)				Prepared & Analyzed: 07/24/15						
1,1,1,2-Tetrachloroethane	0.0479	0.0050	mg/kg wet	0.05000		96	72-115			
1,1,1-Trichloroethane	0.0416	0.0050	mg/kg wet	0.05000		83	67-131			
1,1,2,2-Tetrachloroethane	0.0544	0.0050	mg/kg wet	0.05000		109	56-126			
1,1,2-Trichloroethane	0.0503	0.0050	mg/kg wet	0.05000		101	70-133			
1,1-Dichloroethane	0.0425	0.0050	mg/kg wet	0.05000		85	74-127			
1,1-Dichloroethylene	0.0440	0.0050	mg/kg wet	0.05000		88	67-149			
1,1-Dichloropropylene	0.0498	0.0050	mg/kg wet	0.05000		100	71-130			
1,2,3-Trichlorobenzene	0.0532	0.0050	mg/kg wet	0.05000		106	68-130			
1,2,3-Trichloropropane	0.0567	0.0050	mg/kg wet	0.05000		113	60-137			
1,2,4-Trichlorobenzene	0.0514	0.0050	mg/kg wet	0.05000		103	66-125			
1,2,4-Trimethylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	69-129			
1,2-Dibromoethane	0.0540	0.0050	mg/kg wet	0.05000		108	70-132			
1,2-Dichlorobenzene	0.0504	0.0050	mg/kg wet	0.05000		101	72-123			
1,2-Dichloroethane	0.0458	0.0050	mg/kg wet	0.05000		92	68-128			
1,2-Dichloropropane	0.0468	0.0050	mg/kg wet	0.05000		94	73-130			
1,3,5-Trimethylbenzene	0.0504	0.0050	mg/kg wet	0.05000		101	69-128			
1,3-Dichlorobenzene	0.0482	0.0050	mg/kg wet	0.05000		96	71-120			
1,3-Dichloropropane	0.0527	0.0050	mg/kg wet	0.05000		105	75-124			
1,4-Dichlorobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	71-123			
2,2-Dichloropropane	0.0428	0.0050	mg/kg wet	0.05000		86	50-142			
2-Chlorotoluene	0.0486	0.0050	mg/kg wet	0.05000		97	67-124			
4-Chlorotoluene	0.0498	0.0050	mg/kg wet	0.05000		100	71-126			
4-Isopropyltoluene	0.0491	0.0050	mg/kg wet	0.05000		98	68-129			
Acetone	0.108	0.050	mg/kg wet	0.1000		108	29-198			

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0461 - 5035										
LCS (P5G0461-BS1)				Prepared & Analyzed: 07/24/15						
Benzene	0.0464	0.0030	mg/kg wet	0.05000		93	74-127			
Bromobenzene	0.0490	0.0050	mg/kg wet	0.05000		98	73-125			
Bromochloromethane	0.0502	0.0050	mg/kg wet	0.05000		100	72-134			
Bromodichloromethane	0.0436	0.0050	mg/kg wet	0.05000		87	75-122			
Bromoform	0.0505	0.0050	mg/kg wet	0.05000		101	66-135			
Bromomethane	0.0412	0.010	mg/kg wet	0.05000		82	20-180			
Carbon Tetrachloride	0.0462	0.0050	mg/kg wet	0.05000		92	64-143			
Chlorobenzene	0.0486	0.0050	mg/kg wet	0.05000		97	74-118			
Chloroethane	0.0397	0.010	mg/kg wet	0.05000		79	33-149			
Chloroform	0.0420	0.0050	mg/kg wet	0.05000		84	73-127			
Chloromethane	0.0380	0.0050	mg/kg wet	0.05000		76	45-143			
cis-1,2-Dichloroethylene	0.0447	0.0050	mg/kg wet	0.05000		89	76-134			
cis-1,3-Dichloropropylene	0.0499	0.0050	mg/kg wet	0.05000		100	71-125			
Dibromochloromethane	0.0489	0.0050	mg/kg wet	0.05000		98	73-122			
Dichlorodifluoromethane	0.0362	0.0050	mg/kg wet	0.05000		72	26-146			
Ethylbenzene	0.0478	0.0050	mg/kg wet	0.05000		96	74-128			
Isopropyl Ether	0.0442	0.0050	mg/kg wet	0.05000		88	59-159			
Isopropylbenzene (Cumene)	0.0524	0.0050	mg/kg wet	0.05000		105	68-126			
m,p-Xylenes	0.0974	0.010	mg/kg wet	0.1000		97	75-124			
Methyl Butyl Ketone (2-Hexanone)	0.0648	0.050	mg/kg wet	0.05000		130	61-157			
Methyl Ethyl Ketone (2-Butanone)	0.0509	0.10	mg/kg wet	0.05000		102	63-149			J
Methyl Isobutyl Ketone	0.0566	0.050	mg/kg wet	0.05000		113	57-162			
Methylene Chloride	0.0433	0.0050	mg/kg wet	0.05000		87	74-129			
Methyl-tert-Butyl Ether	0.0508	0.010	mg/kg wet	0.05000		102	70-130			
Naphthalene	0.0570	0.010	mg/kg wet	0.05000		114	57-157			
n-Butylbenzene	0.0476	0.0050	mg/kg wet	0.05000		95	65-135			
n-Propylbenzene	0.0486	0.0050	mg/kg wet	0.05000		97	67-130			
o-Xylene	0.0485	0.0050	mg/kg wet	0.05000		97	74-126			
sec-Butylbenzene	0.0526	0.0050	mg/kg wet	0.05000		105	66-131			
Styrene	0.0497	0.0050	mg/kg wet	0.05000		99	77-121			
tert-Butylbenzene	0.0498	0.0050	mg/kg wet	0.05000		100	67-132			
Tetrachloroethylene	0.0458	0.0050	mg/kg wet	0.05000		92	68-130			
Toluene	0.0452	0.0050	mg/kg wet	0.05000		90	71-129			
trans-1,2-Dichloroethylene	0.0448	0.0050	mg/kg wet	0.05000		90	73-132			
trans-1,3-Dichloropropylene	0.0521	0.0050	mg/kg wet	0.05000		104	68-123			
Trichloroethylene	0.0454	0.0050	mg/kg wet	0.05000		91	75-133			
Trichlorofluoromethane	0.0464	0.0050	mg/kg wet	0.05000		93	44-146			
Vinyl acetate	0.0576	0.025	mg/kg wet	0.05000		115	85-161			
Vinyl chloride	0.0396	0.0050	mg/kg wet	0.05000		79	48-147			
Xylenes, total	0.146	0.015	mg/kg wet	0.1500		97	74-126			
Surrogate: 4-Bromofluorobenzene	*0.0492*		*mg/kg wet*	*0.05000*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0470*		*mg/kg wet*	*0.05000*		*94*	*84-123*			
Surrogate: Toluene-d8	*0.0476*		*mg/kg wet*	*0.05000*		*95*	*76-129*			

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0461 - 5035										
LCS Dup (P5G0461-BSD1)				Prepared & Analyzed: 07/24/15						
1,1,1,2-Tetrachloroethane	0.0429	0.0050	mg/kg wet	0.05000		86	72-115	11	20	
1,1,1-Trichloroethane	0.0388	0.0050	mg/kg wet	0.05000		78	67-131	7	20	
1,1,2,2-Tetrachloroethane	0.0450	0.0050	mg/kg wet	0.05000		90	56-126	19	20	
1,1,2-Trichloroethane	0.0425	0.0050	mg/kg wet	0.05000		85	70-133	17	20	
1,1-Dichloroethane	0.0386	0.0050	mg/kg wet	0.05000		77	74-127	10	20	
1,1-Dichloroethylene	0.0396	0.0050	mg/kg wet	0.05000		79	67-149	11	20	
1,1-Dichloropropylene	0.0472	0.0050	mg/kg wet	0.05000		94	71-130	5	20	
1,2,3-Trichlorobenzene	0.0510	0.0050	mg/kg wet	0.05000		102	68-130	4	20	
1,2,3-Trichloropropane	0.0464	0.0050	mg/kg wet	0.05000		93	60-137	20	20	
1,2,4-Trichlorobenzene	0.0511	0.0050	mg/kg wet	0.05000		102	66-125	0.5	20	
1,2,4-Trimethylbenzene	0.0481	0.0050	mg/kg wet	0.05000		96	69-129	8	20	
1,2-Dibromoethane	0.0460	0.0050	mg/kg wet	0.05000		92	70-132	16	20	
1,2-Dichlorobenzene	0.0500	0.0050	mg/kg wet	0.05000		100	72-123	0.7	20	
1,2-Dichloroethane	0.0394	0.0050	mg/kg wet	0.05000		79	68-128	15	20	
1,2-Dichloropropane	0.0425	0.0050	mg/kg wet	0.05000		85	73-130	10	20	
1,3,5-Trimethylbenzene	0.0495	0.0050	mg/kg wet	0.05000		99	69-128	2	20	
1,3-Dichlorobenzene	0.0492	0.0050	mg/kg wet	0.05000		98	71-120	2	20	
1,3-Dichloropropane	0.0472	0.0050	mg/kg wet	0.05000		94	75-124	11	20	
1,4-Dichlorobenzene	0.0481	0.0050	mg/kg wet	0.05000		96	71-123	6	20	
2,2-Dichloropropane	0.0396	0.0050	mg/kg wet	0.05000		79	50-142	8	20	
2-Chlorotoluene	0.0471	0.0050	mg/kg wet	0.05000		94	67-124	3	20	
4-Chlorotoluene	0.0484	0.0050	mg/kg wet	0.05000		97	71-126	3	20	
4-Isopropyltoluene	0.0496	0.0050	mg/kg wet	0.05000		99	68-129	1	20	
Acetone	0.0756	0.050	mg/kg wet	0.1000		76	29-198	36	20	D
Benzene	0.0416	0.0030	mg/kg wet	0.05000		83	74-127	11	20	
Bromobenzene	0.0459	0.0050	mg/kg wet	0.05000		92	73-125	7	20	
Bromochloromethane	0.0455	0.0050	mg/kg wet	0.05000		91	72-134	10	20	
Bromodichloromethane	0.0391	0.0050	mg/kg wet	0.05000		78	75-122	11	20	
Bromoform	0.0430	0.0050	mg/kg wet	0.05000		86	66-135	16	20	
Bromomethane	0.0373	0.010	mg/kg wet	0.05000		75	20-180	10	20	
Carbon Tetrachloride	0.0430	0.0050	mg/kg wet	0.05000		86	64-143	7	20	
Chlorobenzene	0.0456	0.0050	mg/kg wet	0.05000		91	74-118	6	20	
Chloroethane	0.0342	0.010	mg/kg wet	0.05000		68	33-149	15	20	
Chloroform	0.0387	0.0050	mg/kg wet	0.05000		77	73-127	8	20	
Chloromethane	0.0369	0.0050	mg/kg wet	0.05000		74	45-143	3	20	
cis-1,2-Dichloroethylene	0.0403	0.0050	mg/kg wet	0.05000		81	76-134	10	20	
cis-1,3-Dichloropropylene	0.0457	0.0050	mg/kg wet	0.05000		91	71-125	9	20	
Dibromochloromethane	0.0434	0.0050	mg/kg wet	0.05000		87	73-122	12	20	
Dichlorodifluoromethane	0.0330	0.0050	mg/kg wet	0.05000		66	26-146	9	20	
Ethylbenzene	0.0446	0.0050	mg/kg wet	0.05000		89	74-128	7	20	
Isopropyl Ether	0.0392	0.0050	mg/kg wet	0.05000		78	59-159	12	20	
Isopropylbenzene (Cumene)	0.0532	0.0050	mg/kg wet	0.05000		106	68-126	2	20	
m,p-Xylenes	0.0907	0.010	mg/kg wet	0.1000		91	75-124	7	20	
Methyl Butyl Ketone (2-Hexanone)	0.0469	0.050	mg/kg wet	0.05000		94	61-157	32	20	D, J
Methyl Ethyl Ketone (2-Butanone)	0.0375	0.10	mg/kg wet	0.05000		75	63-149	30	20	D, J
Methyl Isobutyl Ketone	0.0397	0.050	mg/kg wet	0.05000		79	57-162	35	20	D, J

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0461 - 5035										
LCS Dup (P5G0461-BSD1)				Prepared & Analyzed: 07/24/15						
Methylene Chloride	0.0394	0.0050	mg/kg wet	0.05000		79	74-129	9	20	
Methyl-tert-Butyl Ether	0.0412	0.010	mg/kg wet	0.05000		82	70-130	21	20	D
Naphthalene	0.0498	0.010	mg/kg wet	0.05000		100	57-157	14	20	
n-Butylbenzene	0.0478	0.0050	mg/kg wet	0.05000		96	65-135	0.3	20	
n-Propylbenzene	0.0462	0.0050	mg/kg wet	0.05000		92	67-130	5	20	
o-Xylene	0.0441	0.0050	mg/kg wet	0.05000		88	74-126	10	20	
sec-Butylbenzene	0.0516	0.0050	mg/kg wet	0.05000		103	66-131	2	20	
Styrene	0.0460	0.0050	mg/kg wet	0.05000		92	77-121	8	20	
tert-Butylbenzene	0.0500	0.0050	mg/kg wet	0.05000		100	67-132	0.4	20	
Tetrachloroethylene	0.0442	0.0050	mg/kg wet	0.05000		88	68-130	3	20	
Toluene	0.0440	0.0050	mg/kg wet	0.05000		88	71-129	3	20	
trans-1,2-Dichloroethylene	0.0415	0.0050	mg/kg wet	0.05000		83	73-132	8	20	
trans-1,3-Dichloropropylene	0.0454	0.0050	mg/kg wet	0.05000		91	68-123	14	20	
Trichloroethylene	0.0410	0.0050	mg/kg wet	0.05000		82	75-133	10	20	
Trichlorofluoromethane	0.0416	0.0050	mg/kg wet	0.05000		83	44-146	11	20	
Vinyl acetate	0.0446	0.025	mg/kg wet	0.05000		89	85-161	26	20	D
Vinyl chloride	0.0366	0.0050	mg/kg wet	0.05000		73	48-147	8	20	
Xylenes, total	0.135	0.015	mg/kg wet	0.1500		90	74-126	8	20	
Surrogate: 4-Bromofluorobenzene	*0.0498*		*mg/kg wet*	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0460*		*mg/kg wet*	*0.05000*		*92*	*84-123*			
Surrogate: Toluene-d8	*0.0498*		*mg/kg wet*	*0.05000*		*100*	*76-129*			
Batch P5G0498 - 5035										
Blank (P5G0498-BLK1)				Prepared & Analyzed: 07/27/15						
1,1,1,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,1-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,2-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethylene	BRL	0.0050	mg/kg wet							
1,1-Dichloropropylene	BRL	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,3-Trichloropropane	BRL	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,2-Dibromoethane	BRL	0.0050	mg/kg wet							
1,2-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,2-Dichloroethane	BRL	0.0050	mg/kg wet							
1,2-Dichloropropane	BRL	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,3-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,3-Dichloropropane	BRL	0.0050	mg/kg wet							
1,4-Dichlorobenzene	BRL	0.0050	mg/kg wet							
2,2-Dichloropropane	BRL	0.0050	mg/kg wet							
2-Chlorotoluene	BRL	0.0050	mg/kg wet							
4-Chlorotoluene	BRL	0.0050	mg/kg wet							

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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0498 - 5035										
Blank (P5G0498-BLK1)				Prepared & Analyzed: 07/27/15						
4-Isopropyltoluene	BRL	0.0050	mg/kg wet							
Acetone	BRL	0.050	mg/kg wet							
Benzene	BRL	0.0030	mg/kg wet							
Bromobenzene	BRL	0.0050	mg/kg wet							
Bromochloromethane	BRL	0.0050	mg/kg wet							
Bromodichloromethane	BRL	0.0050	mg/kg wet							
Bromoform	BRL	0.0050	mg/kg wet							
Bromomethane	BRL	0.010	mg/kg wet							
Carbon Tetrachloride	BRL	0.0050	mg/kg wet							
Chlorobenzene	BRL	0.0050	mg/kg wet							
Chloroethane	BRL	0.010	mg/kg wet							
Chloroform	BRL	0.0050	mg/kg wet							
Chloromethane	BRL	0.0050	mg/kg wet							
cis-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
cis-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Dibromochloromethane	BRL	0.0050	mg/kg wet							
Dichlorodifluoromethane	BRL	0.0050	mg/kg wet							
Ethylbenzene	BRL	0.0050	mg/kg wet							
Isopropyl Ether	BRL	0.0050	mg/kg wet							
Isopropylbenzene (Cumene)	BRL	0.0050	mg/kg wet							
m,p-Xylenes	BRL	0.010	mg/kg wet							
Methyl Butyl Ketone (2-Hexanone)	BRL	0.050	mg/kg wet							
Methyl Ethyl Ketone (2-Butanone)	BRL	0.10	mg/kg wet							
Methyl Isobutyl Ketone	BRL	0.050	mg/kg wet							
Methylene Chloride	BRL	0.0050	mg/kg wet							
Methyl-tert-Butyl Ether	BRL	0.010	mg/kg wet							
Naphthalene	BRL	0.010	mg/kg wet							
n-Butylbenzene	BRL	0.0050	mg/kg wet							
n-Propylbenzene	BRL	0.0050	mg/kg wet							
o-Xylene	BRL	0.0050	mg/kg wet							
sec-Butylbenzene	BRL	0.0050	mg/kg wet							
Styrene	BRL	0.0050	mg/kg wet							
tert-Butylbenzene	BRL	0.0050	mg/kg wet							
Tetrachloroethylene	BRL	0.0050	mg/kg wet							
Toluene	BRL	0.0050	mg/kg wet							
trans-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
trans-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Trichloroethylene	BRL	0.0050	mg/kg wet							
Trichlorofluoromethane	BRL	0.0050	mg/kg wet							
Vinyl acetate	BRL	0.025	mg/kg wet							
Vinyl chloride	BRL	0.0050	mg/kg wet							
Xylenes, total	BRL	0.015	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	*0.0549*		*mg/kg wet*	*0.05000*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0451*		*mg/kg wet*	*0.05000*		*90*	*84-123*			
Surrogate: Toluene-d8	*0.0456*		*mg/kg wet*	*0.05000*		*91*	*76-129*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0498 - 5035										
LCS (P5G0498-BS1)				Prepared & Analyzed: 07/27/15						
1,1,1,2-Tetrachloroethane	0.0453	0.0050	mg/kg wet	0.05000		91	72-115			
1,1,1-Trichloroethane	0.0410	0.0050	mg/kg wet	0.05000		82	67-131			
1,1,2,2-Tetrachloroethane	0.0517	0.0050	mg/kg wet	0.05000		103	56-126			
1,1,2-Trichloroethane	0.0466	0.0050	mg/kg wet	0.05000		93	70-133			
1,1-Dichloroethane	0.0415	0.0050	mg/kg wet	0.05000		83	74-127			
1,1-Dichloroethylene	0.0451	0.0050	mg/kg wet	0.05000		90	67-149			
1,1-Dichloropropylene	0.0504	0.0050	mg/kg wet	0.05000		101	71-130			
1,2,3-Trichlorobenzene	0.0500	0.0050	mg/kg wet	0.05000		100	68-130			
1,2,3-Trichloropropane	0.0514	0.0050	mg/kg wet	0.05000		103	60-137			
1,2,4-Trichlorobenzene	0.0485	0.0050	mg/kg wet	0.05000		97	66-125			
1,2,4-Trimethylbenzene	0.0500	0.0050	mg/kg wet	0.05000		100	69-129			
1,2-Dibromoethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-132			
1,2-Dichlorobenzene	0.0472	0.0050	mg/kg wet	0.05000		94	72-123			
1,2-Dichloroethane	0.0423	0.0050	mg/kg wet	0.05000		85	68-128			
1,2-Dichloropropane	0.0442	0.0050	mg/kg wet	0.05000		88	73-130			
1,3,5-Trimethylbenzene	0.0486	0.0050	mg/kg wet	0.05000		97	69-128			
1,3-Dichlorobenzene	0.0478	0.0050	mg/kg wet	0.05000		96	71-120			
1,3-Dichloropropane	0.0481	0.0050	mg/kg wet	0.05000		96	75-124			
1,4-Dichlorobenzene	0.0472	0.0050	mg/kg wet	0.05000		94	71-123			
2,2-Dichloropropane	0.0429	0.0050	mg/kg wet	0.05000		86	50-142			
2-Chlorotoluene	0.0463	0.0050	mg/kg wet	0.05000		93	67-124			
4-Chlorotoluene	0.0476	0.0050	mg/kg wet	0.05000		95	71-126			
4-Isopropyltoluene	0.0470	0.0050	mg/kg wet	0.05000		94	68-129			
Acetone	0.0979	0.050	mg/kg wet	0.1000		98	29-198			
Benzene	0.0464	0.0030	mg/kg wet	0.05000		93	74-127			
Bromobenzene	0.0461	0.0050	mg/kg wet	0.05000		92	73-125			
Bromochloromethane	0.0481	0.0050	mg/kg wet	0.05000		96	72-134			
Bromodichloromethane	0.0402	0.0050	mg/kg wet	0.05000		80	75-122			
Bromoform	0.0471	0.0050	mg/kg wet	0.05000		94	66-135			
Bromomethane	0.0415	0.010	mg/kg wet	0.05000		83	20-180			
Carbon Tetrachloride	0.0470	0.0050	mg/kg wet	0.05000		94	64-143			
Chlorobenzene	0.0461	0.0050	mg/kg wet	0.05000		92	74-118			
Chloroethane	0.0398	0.010	mg/kg wet	0.05000		80	33-149			
Chloroform	0.0395	0.0050	mg/kg wet	0.05000		79	73-127			
Chloromethane	0.0410	0.0050	mg/kg wet	0.05000		82	45-143			
cis-1,2-Dichloroethylene	0.0429	0.0050	mg/kg wet	0.05000		86	76-134			
cis-1,3-Dichloropropylene	0.0482	0.0050	mg/kg wet	0.05000		96	71-125			
Dibromochloromethane	0.0456	0.0050	mg/kg wet	0.05000		91	73-122			
Dichlorodifluoromethane	0.0480	0.0050	mg/kg wet	0.05000		96	26-146			
Ethylbenzene	0.0460	0.0050	mg/kg wet	0.05000		92	74-128			
Isopropyl Ether	0.0419	0.0050	mg/kg wet	0.05000		84	59-159			
Isopropylbenzene (Cumene)	0.0520	0.0050	mg/kg wet	0.05000		104	68-126			
m,p-Xylenes	0.0954	0.010	mg/kg wet	0.1000		95	75-124			
Methyl Butyl Ketone (2-Hexanone)	0.0568	0.050	mg/kg wet	0.05000		114	61-157			
Methyl Ethyl Ketone (2-Butanone)	0.0463	0.10	mg/kg wet	0.05000		93	63-149			J
Methyl Isobutyl Ketone	0.0530	0.050	mg/kg wet	0.05000		106	57-162			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0498 - 5035										
LCS (P5G0498-BS1)				Prepared & Analyzed: 07/27/15						
Methylene Chloride	0.0422	0.0050	mg/kg wet	0.05000		84	74-129			
Methyl-tert-Butyl Ether	0.0463	0.010	mg/kg wet	0.05000		93	70-130			
Naphthalene	0.0537	0.010	mg/kg wet	0.05000		107	57-157			
n-Butylbenzene	0.0476	0.0050	mg/kg wet	0.05000		95	65-135			
n-Propylbenzene	0.0475	0.0050	mg/kg wet	0.05000		95	67-130			
o-Xylene	0.0473	0.0050	mg/kg wet	0.05000		95	74-126			
sec-Butylbenzene	0.0542	0.0050	mg/kg wet	0.05000		108	66-131			
Styrene	0.0477	0.0050	mg/kg wet	0.05000		95	77-121			
tert-Butylbenzene	0.0525	0.0050	mg/kg wet	0.05000		105	67-132			
Tetrachloroethylene	0.0474	0.0050	mg/kg wet	0.05000		95	68-130			
Toluene	0.0452	0.0050	mg/kg wet	0.05000		90	71-129			
trans-1,2-Dichloroethylene	0.0429	0.0050	mg/kg wet	0.05000		86	73-132			
trans-1,3-Dichloropropylene	0.0485	0.0050	mg/kg wet	0.05000		97	68-123			
Trichloroethylene	0.0446	0.0050	mg/kg wet	0.05000		89	75-133			
Trichlorofluoromethane	0.0488	0.0050	mg/kg wet	0.05000		98	44-146			
Vinyl acetate	0.0520	0.025	mg/kg wet	0.05000		104	85-161			
Vinyl chloride	0.0436	0.0050	mg/kg wet	0.05000		87	48-147			
Xylenes, total	0.143	0.015	mg/kg wet	0.1500		95	74-126			
Surrogate: 4-Bromofluorobenzene	*0.0478*		*mg/kg wet*	*0.05000*		*96*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0451*		*mg/kg wet*	*0.05000*		*90*	*84-123*			
Surrogate: Toluene-d8	*0.0467*		*mg/kg wet*	*0.05000*		*93*	*76-129*			
LCS Dup (P5G0498-BSD1)				Prepared & Analyzed: 07/27/15						
1,1,1,2-Tetrachloroethane	0.0454	0.0050	mg/kg wet	0.05000		91	72-115	0.2	20	
1,1,1-Trichloroethane	0.0437	0.0050	mg/kg wet	0.05000		87	67-131	6	20	
1,1,2,2-Tetrachloroethane	0.0449	0.0050	mg/kg wet	0.05000		90	56-126	14	20	
1,1,2-Trichloroethane	0.0444	0.0050	mg/kg wet	0.05000		89	70-133	5	20	
1,1-Dichloroethane	0.0432	0.0050	mg/kg wet	0.05000		86	74-127	4	20	
1,1-Dichloroethylene	0.0457	0.0050	mg/kg wet	0.05000		91	67-149	1	20	
1,1-Dichloropropylene	0.0509	0.0050	mg/kg wet	0.05000		102	71-130	1	20	
1,2,3-Trichlorobenzene	0.0495	0.0050	mg/kg wet	0.05000		99	68-130	1	20	
1,2,3-Trichloropropane	0.0449	0.0050	mg/kg wet	0.05000		90	60-137	13	20	
1,2,4-Trichlorobenzene	0.0488	0.0050	mg/kg wet	0.05000		98	66-125	0.7	20	
1,2,4-Trimethylbenzene	0.0511	0.0050	mg/kg wet	0.05000		102	69-129	2	20	
1,2-Dibromoethane	0.0469	0.0050	mg/kg wet	0.05000		94	70-132	5	20	
1,2-Dichlorobenzene	0.0479	0.0050	mg/kg wet	0.05000		96	72-123	1	20	
1,2-Dichloroethane	0.0410	0.0050	mg/kg wet	0.05000		82	68-128	3	20	
1,2-Dichloropropane	0.0452	0.0050	mg/kg wet	0.05000		90	73-130	2	20	
1,3,5-Trimethylbenzene	0.0505	0.0050	mg/kg wet	0.05000		101	69-128	4	20	
1,3-Dichlorobenzene	0.0482	0.0050	mg/kg wet	0.05000		96	71-120	0.8	20	
1,3-Dichloropropane	0.0466	0.0050	mg/kg wet	0.05000		93	75-124	3	20	
1,4-Dichlorobenzene	0.0480	0.0050	mg/kg wet	0.05000		96	71-123	2	20	
2,2-Dichloropropane	0.0438	0.0050	mg/kg wet	0.05000		88	50-142	2	20	
2-Chlorotoluene	0.0474	0.0050	mg/kg wet	0.05000		95	67-124	2	20	
4-Chlorotoluene	0.0502	0.0050	mg/kg wet	0.05000		100	71-126	5	20	
4-Isopropyltoluene	0.0500	0.0050	mg/kg wet	0.05000		100	68-129	6	20	
Acetone	0.0771	0.050	mg/kg wet	0.1000		77	29-198	24	20	D

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0498 - 5035										
LCS Dup (P5G0498-BSD1)				Prepared & Analyzed: 07/27/15						
Benzene	0.0457	0.0030	mg/kg wet	0.05000		91	74-127	2	20	
Bromobenzene	0.0453	0.0050	mg/kg wet	0.05000		91	73-125	2	20	
Bromochloromethane	0.0471	0.0050	mg/kg wet	0.05000		94	72-134	2	20	
Bromodichloromethane	0.0402	0.0050	mg/kg wet	0.05000		80	75-122	0.2	20	
Bromoform	0.0443	0.0050	mg/kg wet	0.05000		89	66-135	6	20	
Bromomethane	0.0431	0.010	mg/kg wet	0.05000		86	20-180	4	20	
Carbon Tetrachloride	0.0474	0.0050	mg/kg wet	0.05000		95	64-143	0.7	20	
Chlorobenzene	0.0470	0.0050	mg/kg wet	0.05000		94	74-118	2	20	
Chloroethane	0.0404	0.010	mg/kg wet	0.05000		81	33-149	2	20	
Chloroform	0.0409	0.0050	mg/kg wet	0.05000		82	73-127	3	20	
Chloromethane	0.0415	0.0050	mg/kg wet	0.05000		83	45-143	1	20	
cis-1,2-Dichloroethylene	0.0439	0.0050	mg/kg wet	0.05000		88	76-134	2	20	
cis-1,3-Dichloropropylene	0.0473	0.0050	mg/kg wet	0.05000		95	71-125	2	20	
Dibromochloromethane	0.0441	0.0050	mg/kg wet	0.05000		88	73-122	3	20	
Dichlorodifluoromethane	0.0490	0.0050	mg/kg wet	0.05000		98	26-146	2	20	
Ethylbenzene	0.0472	0.0050	mg/kg wet	0.05000		94	74-128	3	20	
Isopropyl Ether	0.0436	0.0050	mg/kg wet	0.05000		87	59-159	4	20	
Isopropylbenzene (Cumene)	0.0568	0.0050	mg/kg wet	0.05000		114	68-126	9	20	
m,p-Xylenes	0.0984	0.010	mg/kg wet	0.1000		98	75-124	3	20	
Methyl Butyl Ketone (2-Hexanone)	0.0468	0.050	mg/kg wet	0.05000		94	61-157	19	20	J
Methyl Ethyl Ketone (2-Butanone)	0.0392	0.10	mg/kg wet	0.05000		78	63-149	17	20	J
Methyl Isobutyl Ketone	0.0408	0.050	mg/kg wet	0.05000		82	57-162	26	20	D, J
Methylene Chloride	0.0413	0.0050	mg/kg wet	0.05000		83	74-129	2	20	
Methyl-tert-Butyl Ether	0.0430	0.010	mg/kg wet	0.05000		86	70-130	8	20	
Naphthalene	0.0470	0.010	mg/kg wet	0.05000		94	57-157	13	20	
n-Butylbenzene	0.0500	0.0050	mg/kg wet	0.05000		100	65-135	5	20	
n-Propylbenzene	0.0486	0.0050	mg/kg wet	0.05000		97	67-130	2	20	
o-Xylene	0.0466	0.0050	mg/kg wet	0.05000		93	74-126	1	20	
sec-Butylbenzene	0.0529	0.0050	mg/kg wet	0.05000		106	66-131	2	20	
Styrene	0.0487	0.0050	mg/kg wet	0.05000		97	77-121	2	20	
tert-Butylbenzene	0.0532	0.0050	mg/kg wet	0.05000		106	67-132	1	20	
Tetrachloroethylene	0.0489	0.0050	mg/kg wet	0.05000		98	68-130	3	20	
Toluene	0.0449	0.0050	mg/kg wet	0.05000		90	71-129	0.5	20	
trans-1,2-Dichloroethylene	0.0445	0.0050	mg/kg wet	0.05000		89	73-132	4	20	
trans-1,3-Dichloropropylene	0.0469	0.0050	mg/kg wet	0.05000		94	68-123	3	20	
Trichloroethylene	0.0454	0.0050	mg/kg wet	0.05000		91	75-133	2	20	
Trichlorofluoromethane	0.0504	0.0050	mg/kg wet	0.05000		101	44-146	3	20	
Vinyl acetate	0.0538	0.025	mg/kg wet	0.05000		108	85-161	3	20	
Vinyl chloride	0.0426	0.0050	mg/kg wet	0.05000		85	48-147	2	20	
Xylenes, total	0.145	0.015	mg/kg wet	0.1500		97	74-126	2	20	
Surrogate: 4-Bromofluorobenzene	*0.0493*		*mg/kg wet*	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0458*		*mg/kg wet*	*0.05000*		*92*	*84-123*			
Surrogate: Toluene-d8	*0.0467*		*mg/kg wet*	*0.05000*		*93*	*76-129*			

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0361 - 3546										
Blank (P5G0361-BLK1)				Prepared: 07/21/15 Analyzed: 07/22/15						
1,2,4-Trichlorobenzene	BRL	0.33	mg/kg wet							
1,2-Dichlorobenzene	BRL	0.33	mg/kg wet							
1,3-Dichlorobenzene	BRL	0.33	mg/kg wet							
1,4-Dichlorobenzene	BRL	0.33	mg/kg wet							
1-Methylnaphthalene	BRL	0.33	mg/kg wet							
2,4,6-Trichlorophenol	BRL	0.33	mg/kg wet							
2,4-Dichlorophenol	BRL	0.33	mg/kg wet							
2,4-Dimethylphenol	BRL	0.33	mg/kg wet							
2,4-Dinitrophenol	BRL	0.33	mg/kg wet							
2,4-Dinitrotoluene	BRL	0.33	mg/kg wet							
2,6-Dinitrotoluene	BRL	0.33	mg/kg wet							
2-Chloronaphthalene	BRL	0.33	mg/kg wet							
2-Chlorophenol	BRL	0.33	mg/kg wet							
2-Methylnaphthalene	BRL	0.33	mg/kg wet							
2-Methylphenol	BRL	0.33	mg/kg wet							
2-Nitrophenol	BRL	0.33	mg/kg wet							
3,3'-Dichlorobenzidine	BRL	0.33	mg/kg wet							
3/4-Methylphenol	BRL	0.33	mg/kg wet							
4,6-Dinitro-2-methylphenol	BRL	0.33	mg/kg wet							
4-Bromophenyl phenyl ether	BRL	0.33	mg/kg wet							
4-Chloro-3-methylphenol	BRL	0.33	mg/kg wet							
4-Chloroaniline	BRL	0.33	mg/kg wet							
4-Chlorophenyl phenyl ether	BRL	0.33	mg/kg wet							
4-Nitrophenol	BRL	0.33	mg/kg wet							
Acenaphthene	BRL	0.33	mg/kg wet							A
Acenaphthylene	BRL	0.33	mg/kg wet							
Anthracene	BRL	0.33	mg/kg wet							
Azobenzene	BRL	0.33	mg/kg wet							
Benzo(a)anthracene	BRL	0.33	mg/kg wet							
Benzo(a)pyrene	BRL	0.33	mg/kg wet							
Benzo(b)fluoranthene	BRL	0.33	mg/kg wet							
Benzo(g,h,i)perylene	BRL	0.33	mg/kg wet							
Benzo(k)fluoranthene	BRL	0.33	mg/kg wet							
Benzoic Acid	BRL	0.33	mg/kg wet							
Benzyl alcohol	BRL	0.33	mg/kg wet							
bis(2-Chloroethoxy)methane	BRL	0.33	mg/kg wet							
Bis(2-Chloroethyl)ether	BRL	0.33	mg/kg wet							
Bis(2-chloroisopropyl)ether	BRL	0.33	mg/kg wet							
Bis(2-Ethylhexyl)phthalate	BRL	0.33	mg/kg wet							
Butyl benzyl phthalate	BRL	0.33	mg/kg wet							
Chrysene	BRL	0.33	mg/kg wet							
Dibenzo(a,h)anthracene	BRL	0.33	mg/kg wet							
Dibenzofuran	BRL	0.33	mg/kg wet							
Diethyl phthalate	BRL	0.33	mg/kg wet							
Dimethyl phthalate	BRL	0.33	mg/kg wet							
Di-n-butyl phthalate	BRL	0.33	mg/kg wet							

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0361 - 3546										
Blank (P5G0361-BLK1)				Prepared: 07/21/15 Analyzed: 07/22/15						
Di-n-octyl phthalate	BRL	0.33	mg/kg wet							
Fluoranthene	BRL	0.33	mg/kg wet							
Fluorene	BRL	0.33	mg/kg wet							
Hexachlorobenzene	BRL	0.33	mg/kg wet							
Hexachlorobutadiene	BRL	0.33	mg/kg wet							
Hexachlorocyclopentadiene	BRL	0.33	mg/kg wet							
Hexachloroethane	BRL	0.33	mg/kg wet							
Indeno(1,2,3-cd)pyrene	BRL	0.33	mg/kg wet							
Isophorone	BRL	0.33	mg/kg wet							
Naphthalene	BRL	0.33	mg/kg wet							
Nitrobenzene	BRL	0.33	mg/kg wet							
N-Nitroso-di-n-propylamine	BRL	0.33	mg/kg wet							
N-Nitrosodiphenylamine	BRL	0.33	mg/kg wet							
Pentachlorophenol	BRL	0.33	mg/kg wet							
Phenanthrene	BRL	0.33	mg/kg wet							
Phenol	BRL	0.33	mg/kg wet							
Pyrene	BRL	0.33	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	*5.36*		*mg/kg wet*	*3.333*		*161*	*39-132*			*SR*
Surrogate: 2-Fluorobiphenyl	*2.15*		*mg/kg wet*	*1.667*		*129*	*44-115*			*SR*
Surrogate: 2-Fluorophenol	*4.44*		*mg/kg wet*	*3.333*		*133*	*35-115*			*SR*
Surrogate: Nitrobenzene-d5	*1.90*		*mg/kg wet*	*1.667*		*114*	*37-122*			
Surrogate: Phenol-d5	*4.54*		*mg/kg wet*	*3.333*		*136*	*34-121*			*SR*
Surrogate: Terphenyl-d14	*2.46*		*mg/kg wet*	*1.667*		*148*	*54-127*			*SR*
LCS (P5G0361-BS1)				Prepared: 07/21/15 Analyzed: 07/22/15						
1,2,4-Trichlorobenzene	1.38	0.33	mg/kg wet	1.667		83	34-118			
1,2-Dichlorobenzene	1.25	0.33	mg/kg wet	1.667		75	33-117			
1,3-Dichlorobenzene	1.16	0.33	mg/kg wet	1.667		70	30-115			
1,4-Dichlorobenzene	1.18	0.33	mg/kg wet	1.667		71	31-115			
1-Methylnaphthalene	1.53	0.33	mg/kg wet	1.667		92	40-119			
2,4,6-Trichlorophenol	1.97	0.33	mg/kg wet	1.667		118	39-126			
2,4-Dichlorophenol	1.66	0.33	mg/kg wet	1.667		100	40-122			
2,4-Dimethylphenol	1.67	0.33	mg/kg wet	1.667		100	30-127			
2,4-Dinitrophenol	2.48	0.33	mg/kg wet	1.667		149	27-129			L1
2,4-Dinitrotoluene	2.17	0.33	mg/kg wet	1.667		130	48-126			L1
2,6-Dinitrotoluene	2.07	0.33	mg/kg wet	1.667		124	46-124			
2-Chloronaphthalene	2.18	0.33	mg/kg wet	1.667		131	41-114			LH
2-Chlorophenol	1.39	0.33	mg/kg wet	1.667		83	34-121			
2-Methylnaphthalene	1.52	0.33	mg/kg wet	1.667		91	38-122			
2-Methylphenol	1.49	0.33	mg/kg wet	1.667		90	32-122			
2-Nitrophenol	1.52	0.33	mg/kg wet	1.667		91	36-123			
3,3'-Dichlorobenzidine	2.37	0.33	mg/kg wet	1.667		142	22-121			LH
3/4-Methylphenol	1.66	0.33	mg/kg wet	1.667		100	34-119			
4,6-Dinitro-2-methylphenol	2.54	0.33	mg/kg wet	1.667		152	29-132			L1
4-Bromophenyl phenyl ether	1.96	0.33	mg/kg wet	1.667		118	46-124			
4-Chloro-3-methylphenol	1.98	0.33	mg/kg wet	1.667		119	45-122			
4-Chloroaniline	1.52	0.33	mg/kg wet	1.667		91	17-106			

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0361 - 3546										
LCS (P5G0361-BS1)				Prepared: 07/21/15 Analyzed: 07/22/15						
4-Chlorophenyl phenyl ether	1.78	0.33	mg/kg wet	1.667		107	45-121			
4-Nitrophenol	2.47	0.33	mg/kg wet	1.667		148	30-132			L1
Acenaphthene	1.78	0.33	mg/kg wet	1.667		107	40-123			
Acenaphthylene	1.77	0.33	mg/kg wet	1.667		106	32-132			
Anthracene	2.21	0.33	mg/kg wet	1.667		132	47-123			L1
Azobenzene	2.18	0.33	mg/kg wet	1.667		131	39-125			L1
Benzo(a)anthracene	2.26	0.33	mg/kg wet	1.667		136	49-126			L1
Benzo(a)pyrene	1.91	0.33	mg/kg wet	1.667		115	45-129			
Benzo(b)fluoranthene	1.96	0.33	mg/kg wet	1.667		117	45-132			
Benzo(g,h,i)perylene	1.83	0.33	mg/kg wet	1.667		110	43-134			
Benzo(k)fluoranthene	1.80	0.33	mg/kg wet	1.667		108	47-132			
Benzoic Acid	1.65	0.33	mg/kg wet	1.667		99	10-83			L1
Benzyl alcohol	1.56	0.33	mg/kg wet	1.667		93	29-122			
bis(2-Chloroethoxy)methane	1.39	0.33	mg/kg wet	1.667		83	36-121			
Bis(2-Chloroethyl)ether	1.27	0.33	mg/kg wet	1.667		76	31-120			
Bis(2-chloroisopropyl)ether	1.29	0.33	mg/kg wet	1.667		77	33-131			
Bis(2-Ethylhexyl)phthalate	2.37	0.33	mg/kg wet	1.667		142	51-133			L1
Butyl benzyl phthalate	2.45	0.33	mg/kg wet	1.667		147	48-132			L1
Chrysene	2.27	0.33	mg/kg wet	1.667		136	50-124			L1
Dibenzo(a,h)anthracene	1.80	0.33	mg/kg wet	1.667		108	45-134			
Dibenzofuran	1.92	0.33	mg/kg wet	1.667		115	44-120			
Diethyl phthalate	2.14	0.33	mg/kg wet	1.667		128	50-124			L1
Dimethyl phthalate	2.04	0.33	mg/kg wet	1.667		122	48-124			
Di-n-butyl phthalate	2.34	0.33	mg/kg wet	1.667		140	51-128			L1
Di-n-octyl phthalate	1.98	0.33	mg/kg wet	1.667		119	45-140			
Fluoranthene	2.23	0.33	mg/kg wet	1.667		134	50-127			L1
Fluorene	1.94	0.33	mg/kg wet	1.667		117	43-125			
Hexachlorobenzene	2.15	0.33	mg/kg wet	1.667		129	45-122			L1
Hexachlorobutadiene	1.33	0.33	mg/kg wet	1.667		80	32-123			
Hexachlorocyclopentadiene	1.54	0.33	mg/kg wet	1.667		93	32-117			
Hexachloroethane	1.17	0.33	mg/kg wet	1.667		70	28-117			
Indeno(1,2,3-cd)pyrene	1.81	0.33	mg/kg wet	1.667		108	45-133			
Isophorone	1.66	0.33	mg/kg wet	1.667		99	30-122			
Naphthalene	1.38	0.33	mg/kg wet	1.667		83	35-123			
Nitrobenzene	1.39	0.33	mg/kg wet	1.667		84	34-122			
N-Nitroso-di-n-propylamine	1.52	0.33	mg/kg wet	1.667		91	36-120			
N-Nitrosodiphenylamine	2.17	0.33	mg/kg wet	1.667		130	38-127			L1
Pentachlorophenol	2.62	0.33	mg/kg wet	1.667		157	25-133			L1
Phenanthrene	2.19	0.33	mg/kg wet	1.667		132	50-121			L1
Phenol	1.48	0.33	mg/kg wet	1.667		89	34-121			
Pyrene	2.25	0.33	mg/kg wet	1.667		135	47-127			L1
Surrogate: 2,4,6-Tribromophenol	*4.43*		*mg/kg wet*	*3.333*		*133*	*39-132*			*SR*
Surrogate: 2-Fluorobiphenyl	*1.77*		*mg/kg wet*	*1.667*		*106*	*44-115*			
Surrogate: 2-Fluorophenol	*2.88*		*mg/kg wet*	*3.333*		*86*	*35-115*			
Surrogate: Nitrobenzene-d5	*1.37*		*mg/kg wet*	*1.667*		*82*	*37-122*			
Surrogate: Phenol-d5	*3.09*		*mg/kg wet*	*3.333*		*93*	*34-121*			

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0361 - 3546										
LCS (P5G0361-BS1)				Prepared: 07/21/15 Analyzed: 07/22/15						
Surrogate: Terphenyl-d14	*2.25*		*mg/kg wet*	*1.667*		*135*	*54-127*			*SR*
LCS Dup (P5G0361-BSD1)				Prepared: 07/21/15 Analyzed: 07/22/15						
1,2,4-Trichlorobenzene	1.19	0.33	mg/kg wet	1.667		71	34-118	15	20	
1,2-Dichlorobenzene	1.02	0.33	mg/kg wet	1.667		61	33-117	20	20	
1,3-Dichlorobenzene	0.925	0.33	mg/kg wet	1.667		56	30-115	23	20	D
1,4-Dichlorobenzene	0.947	0.33	mg/kg wet	1.667		57	31-115	22	20	D
1-Methylnaphthalene	1.32	0.33	mg/kg wet	1.667		79	40-119	15	20	
2,4,6-Trichlorophenol	1.76	0.33	mg/kg wet	1.667		106	39-126	11	20	
2,4-Dichlorophenol	1.52	0.33	mg/kg wet	1.667		91	40-122	9	20	
2,4-Dimethylphenol	1.48	0.33	mg/kg wet	1.667		89	30-127	12	20	
2,4-Dinitrophenol	1.96	0.33	mg/kg wet	1.667		118	27-129	23	20	D
2,4-Dinitrotoluene	1.95	0.33	mg/kg wet	1.667		117	48-126	11	20	
2,6-Dinitrotoluene	1.86	0.33	mg/kg wet	1.667		112	46-124	11	20	
2-Chloronaphthalene	1.91	0.33	mg/kg wet	1.667		115	41-114	13	20	LH
2-Chlorophenol	1.30	0.33	mg/kg wet	1.667		78	34-121	7	20	
2-Methylnaphthalene	1.31	0.33	mg/kg wet	1.667		79	38-122	15	20	
2-Methylphenol	1.40	0.33	mg/kg wet	1.667		84	32-122	7	20	
2-Nitrophenol	1.34	0.33	mg/kg wet	1.667		80	36-123	12	20	
3,3'-Dichlorobenzidine	2.10	0.33	mg/kg wet	1.667		126	22-121	12	20	LH
3/4-Methylphenol	1.51	0.33	mg/kg wet	1.667		91	34-119	10	20	
4,6-Dinitro-2-methylphenol	2.08	0.33	mg/kg wet	1.667		125	29-132	20	20	
4-Bromophenyl phenyl ether	1.66	0.33	mg/kg wet	1.667		100	46-124	17	20	
4-Chloro-3-methylphenol	1.73	0.33	mg/kg wet	1.667		104	45-122	14	20	
4-Chloroaniline	1.34	0.33	mg/kg wet	1.667		80	17-106	12	20	
4-Chlorophenyl phenyl ether	1.55	0.33	mg/kg wet	1.667		93	45-121	14	20	
4-Nitrophenol	2.02	0.33	mg/kg wet	1.667		121	30-132	20	20	
Acenaphthene	1.57	0.33	mg/kg wet	1.667		94	40-123	13	20	
Acenaphthylene	1.56	0.33	mg/kg wet	1.667		94	32-132	12	20	
Anthracene	1.93	0.33	mg/kg wet	1.667		116	47-123	13	20	
Azobenzene	1.87	0.33	mg/kg wet	1.667		112	39-125	15	20	
Benzo(a)anthracene	1.99	0.33	mg/kg wet	1.667		119	49-126	13	20	
Benzo(a)pyrene	2.17	0.33	mg/kg wet	1.667		130	45-129	13	20	L2
Benzo(b)fluoranthene	2.17	0.33	mg/kg wet	1.667		130	45-132	10	20	
Benzo(g,h,i)perylene	2.04	0.33	mg/kg wet	1.667		122	43-134	11	20	
Benzo(k)fluoranthene	2.04	0.33	mg/kg wet	1.667		122	47-132	13	20	
Benzoic Acid	1.10	0.33	mg/kg wet	1.667		66	10-83	39	20	D
Benzyl alcohol	1.49	0.33	mg/kg wet	1.667		89	29-122	4	20	
bis(2-Chloroethoxy)methane	1.25	0.33	mg/kg wet	1.667		75	36-121	11	20	
Bis(2-Chloroethyl)ether	0.933	0.33	mg/kg wet	1.667		56	31-120	31	20	D
Bis(2-chloroisopropyl)ether	1.17	0.33	mg/kg wet	1.667		70	33-131	10	20	
Bis(2-Ethylhexyl)phthalate	2.07	0.33	mg/kg wet	1.667		124	51-133	14	20	
Butyl benzyl phthalate	2.17	0.33	mg/kg wet	1.667		130	48-132	12	20	
Chrysene	1.97	0.33	mg/kg wet	1.667		118	50-124	14	20	
Dibenzo(a,h)anthracene	2.01	0.33	mg/kg wet	1.667		121	45-134	11	20	
Dibenzofuran	1.63	0.33	mg/kg wet	1.667		98	44-120	16	20	
Diethyl phthalate	1.94	0.33	mg/kg wet	1.667		116	50-124	10	20	

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0361 - 3546										
LCS Dup (P5G0361-BSD1)				Prepared: 07/21/15 Analyzed: 07/22/15						
Dimethyl phthalate	1.85	0.33	mg/kg wet	1.667		111	48-124	10	20	
Di-n-butyl phthalate	2.06	0.33	mg/kg wet	1.667		124	51-128	13	20	
Di-n-octyl phthalate	2.27	0.33	mg/kg wet	1.667		136	45-140	14	20	
Fluoranthene	1.93	0.33	mg/kg wet	1.667		116	50-127	14	20	
Fluorene	1.70	0.33	mg/kg wet	1.667		102	43-125	13	20	
Hexachlorobenzene	1.84	0.33	mg/kg wet	1.667		110	45-122	16	20	
Hexachlorobutadiene	1.14	0.33	mg/kg wet	1.667		68	32-123	15	20	
Hexachlorocyclopentadiene	1.13	0.33	mg/kg wet	1.667		68	32-117	31	20	D
Hexachloroethane	0.972	0.33	mg/kg wet	1.667		58	28-117	19	20	
Indeno(1,2,3-cd)pyrene	2.00	0.33	mg/kg wet	1.667		120	45-133	10	20	
Isophorone	1.48	0.33	mg/kg wet	1.667		89	30-122	11	20	
Naphthalene	1.22	0.33	mg/kg wet	1.667		73	35-123	13	20	
Nitrobenzene	1.22	0.33	mg/kg wet	1.667		73	34-122	13	20	
N-Nitroso-di-n-propylamine	1.38	0.33	mg/kg wet	1.667		83	36-120	10	20	
N-Nitrosodiphenylamine	1.86	0.33	mg/kg wet	1.667		112	38-127	15	20	
Pentachlorophenol	2.13	0.33	mg/kg wet	1.667		128	25-133	21	20	D
Phenanthrene	1.91	0.33	mg/kg wet	1.667		115	50-121	14	20	
Phenol	1.38	0.33	mg/kg wet	1.667		82	34-121	7	20	
Pyrene	2.03	0.33	mg/kg wet	1.667		122	47-127	10	20	
Surrogate: 2,4,6-Tribromophenol	*3.88*		*mg/kg wet*	*3.333*		*116*	*39-132*			
Surrogate: 2-Fluorobiphenyl	*1.53*		*mg/kg wet*	*1.667*		*92*	*44-115*			
Surrogate: 2-Fluorophenol	*2.61*		*mg/kg wet*	*3.333*		*78*	*35-115*			
Surrogate: Nitrobenzene-d5	*1.22*		*mg/kg wet*	*1.667*		*73*	*37-122*			
Surrogate: Phenol-d5	*2.88*		*mg/kg wet*	*3.333*		*86*	*34-121*			
Surrogate: Terphenyl-d14	*1.94*		*mg/kg wet*	*1.667*		*116*	*54-127*			
Batch P5G0413 - 3510C MS										
Blank (P5G0413-BLK1)				Prepared: 07/23/15 Analyzed: 07/24/15						
1,2,4-Trichlorobenzene	BRL	10	ug/L							
1,2-Dichlorobenzene	BRL	10	ug/L							
1,3-Dichlorobenzene	BRL	10	ug/L							
1,4-Dichlorobenzene	BRL	10	ug/L							
1-Methylnaphthalene	BRL	10	ug/L							
2,4,5-Trichlorophenol	BRL	10	ug/L							
2,4,6-Trichlorophenol	BRL	10	ug/L							
2,4-Dichlorophenol	BRL	10	ug/L							
2,4-Dimethylphenol	BRL	10	ug/L							
2,4-Dinitrophenol	BRL	10	ug/L							
2,4-Dinitrotoluene	BRL	10	ug/L							
2,6-Dinitrotoluene	BRL	10	ug/L							
2-Chloronaphthalene	BRL	10	ug/L							
2-Chlorophenol	BRL	10	ug/L							
2-Methylnaphthalene	BRL	10	ug/L							
2-Methylphenol	BRL	10	ug/L							
2-Nitroaniline	BRL	10	ug/L							
2-Nitrophenol	BRL	10	ug/L							

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0413 - 3510C MS										
Blank (P5G0413-BLK1)				Prepared: 07/23/15 Analyzed: 07/24/15						
3,3'-Dichlorobenzidine	BRL	10	ug/L							
3/4-Methylphenol	BRL	10	ug/L							
3-Nitroaniline	BRL	10	ug/L							
4,6-Dinitro-2-methylphenol	BRL	10	ug/L							
4-Bromophenyl phenyl ether	BRL	10	ug/L							
4-Chloro-3-methylphenol	BRL	10	ug/L							
4-Chloroaniline	BRL	10	ug/L							
4-Chlorophenyl phenyl ether	BRL	10	ug/L							
4-Nitroaniline	BRL	10	ug/L							
4-Nitrophenol	BRL	10	ug/L							
Acenaphthene	BRL	10	ug/L							
Acenaphthylene	BRL	10	ug/L							
Aniline	BRL	10	ug/L							
Anthracene	BRL	10	ug/L							
Azobenzene	BRL	10	ug/L							
Benzo(a)anthracene	BRL	10	ug/L							
Benzo(a)pyrene	BRL	10	ug/L							
Benzo(b)fluoranthene	BRL	10	ug/L							
Benzo(g,h,i)perylene	BRL	10	ug/L							
Benzo(k)fluoranthene	BRL	10	ug/L							
Benzoic Acid	BRL	100	ug/L							
Benzyl alcohol	BRL	10	ug/L							
bis(2-Chloroethoxy)methane	BRL	10	ug/L							
Bis(2-Chloroethyl)ether	BRL	10	ug/L							
Bis(2-chloroisopropyl)ether	BRL	10	ug/L							
Bis(2-Ethylhexyl)phthalate	BRL	10	ug/L							
Butyl benzyl phthalate	BRL	10	ug/L							
Chrysene	BRL	10	ug/L							
Dibenzo(a,h)anthracene	BRL	10	ug/L							
Dibenzofuran	BRL	10	ug/L							
Diethyl phthalate	BRL	10	ug/L							
Dimethyl phthalate	BRL	10	ug/L							
Di-n-butyl phthalate	BRL	10	ug/L							
Di-n-octyl phthalate	BRL	10	ug/L							
Fluoranthene	BRL	10	ug/L							
Fluorene	BRL	10	ug/L							
Hexachlorobenzene	BRL	10	ug/L							
Hexachlorobutadiene	BRL	10	ug/L							
Hexachlorocyclopentadiene	BRL	10	ug/L							
Hexachloroethane	BRL	10	ug/L							
Indeno(1,2,3-cd)pyrene	BRL	10	ug/L							
Isophorone	BRL	10	ug/L							
Naphthalene	BRL	10	ug/L							
Nitrobenzene	BRL	10	ug/L							
N-Nitroso-di-n-propylamine	BRL	10	ug/L							
N-Nitrosodiphenylamine	BRL	10	ug/L							

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Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0413 - 3510C MS										
Blank (P5G0413-BLK1)				Prepared: 07/23/15 Analyzed: 07/24/15						
Pentachlorophenol	BRL	10	ug/L							
Phenanthrene	BRL	10	ug/L							
Phenol	BRL	10	ug/L							
Pyrene	BRL	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*120*		*ug/L*	*100.0*		*120*	*49-109*			
Surrogate: 2-Fluorobiphenyl	*55.3*		*ug/L*	*50.00*		*111*	*55-96*			*SR*
Surrogate: 2-Fluorophenol	*71.4*		*ug/L*	*100.0*		*71*	*27-74*			
Surrogate: Nitrobenzene-d5	*51.0*		*ug/L*	*50.00*		*102*	*53-99*			*SR*
Surrogate: Phenol-d5	*45.6*		*ug/L*	*100.0*		*46*	*11-52*			
Surrogate: Terphenyl-d14	*62.0*		*ug/L*	*50.00*		*124*	*42-133*			
LCS (P5G0413-BS1)				Prepared: 07/23/15 Analyzed: 07/24/15						
1,2,4-Trichlorobenzene	37.9	10	ug/L	50.00		76	45-103			
1,2-Dichlorobenzene	37.6	10	ug/L	50.00		75	43-100			
1,3-Dichlorobenzene	36.8	10	ug/L	50.00		74	42-98			
1,4-Dichlorobenzene	36.9	10	ug/L	50.00		74	42-100			
1-Methylnaphthalene	39.0	10	ug/L	50.00		78	45-135			
2,4,5-Trichlorophenol	47.4	10	ug/L	50.00		95	66-120			
2,4,6-Trichlorophenol	45.8	10	ug/L	50.00		92	62-121			
2,4-Dichlorophenol	40.3	10	ug/L	50.00		81	58-113			
2,4-Dimethylphenol	40.1	10	ug/L	50.00		80	42-120			
2,4-Dinitrophenol	24.6	10	ug/L	50.00		49	27-129			
2,4-Dinitrotoluene	49.9	10	ug/L	50.00		100	62-136			
2,6-Dinitrotoluene	49.5	10	ug/L	50.00		99	64-129			
2-Chloronaphthalene	51.5	10	ug/L	50.00		103	38-141			
2-Chlorophenol	37.4	10	ug/L	50.00		75	49-107			
2-Methylnaphthalene	38.5	10	ug/L	50.00		77	55-112			
2-Methylphenol	35.6	10	ug/L	50.00		71	40-106			
2-Nitroaniline	46.6	10	ug/L	50.00		93	65-122			
2-Nitrophenol	40.3	10	ug/L	50.00		81	57-115			
3,3'-Dichlorobenzidine	51.6	10	ug/L	50.00		103	58-139			
3/4-Methylphenol	33.6	10	ug/L	50.00		67	34-101			
3-Nitroaniline	47.5	10	ug/L	50.00		95	52-155			
4,6-Dinitro-2-methylphenol	35.8	10	ug/L	50.00		72	49-138			
4-Bromophenyl phenyl ether	44.1	10	ug/L	50.00		88	63-135			
4-Chloro-3-methylphenol	44.6	10	ug/L	50.00		89	33-149			
4-Chloroaniline	41.3	10	ug/L	50.00		83	44-163			
4-Chlorophenyl phenyl ether	42.1	10	ug/L	50.00		84	63-129			
4-Nitroaniline	45.5	10	ug/L	50.00		91	63-147			
4-Nitrophenol	21.4	10	ug/L	50.00		43	10-77			
Acenaphthene	45.0	10	ug/L	50.00		90	64-118			
Acenaphthylene	45.1	10	ug/L	50.00		90	65-119			
Aniline	38.7	10	ug/L	50.00		77	12-197			
Anthracene	50.1	10	ug/L	50.00		100	69-134			
Azobenzene	50.8	10	ug/L	50.00		102	56-129			
Benzo(a)anthracene	46.8	10	ug/L	50.00		94	71-125			
Benzo(a)pyrene	49.7	10	ug/L	50.00		99	67-135			

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0413 - 3510C MS										
LCS (P5G0413-BS1)				Prepared: 07/23/15 Analyzed: 07/24/15						
Benzo(b)fluoranthene	49.2	10	ug/L	50.00		98	56-145			
Benzo(g,h,i)perylene	48.8	10	ug/L	50.00		98	44-149			
Benzo(k)fluoranthene	46.5	10	ug/L	50.00		93	65-138			
Benzoic Acid	8.00	100	ug/L	50.00		16	10-125			J
Benzyl alcohol	34.2	10	ug/L	50.00		68	35-111			
bis(2-Chloroethoxy)methane	37.8	10	ug/L	50.00		76	49-126			
Bis(2-Chloroethyl)ether	31.8	10	ug/L	50.00		64	47-124			
Bis(2-chloroisopropyl)ether	39.2	10	ug/L	50.00		78	42-126			
Bis(2-Ethylhexyl)phthalate	53.0	10	ug/L	50.00		106	59-139			
Butyl benzyl phthalate	53.3	10	ug/L	50.00		107	67-133			
Chrysene	48.3	10	ug/L	50.00		97	64-124			
Dibenzo(a,h)anthracene	48.3	10	ug/L	50.00		97	49-144			
Dibenzofuran	46.7	10	ug/L	50.00		93	68-113			
Diethyl phthalate	48.7	10	ug/L	50.00		97	70-124			
Dimethyl phthalate	48.4	10	ug/L	50.00		97	71-117			
Di-n-butyl phthalate	51.2	10	ug/L	50.00		102	69-128			
Di-n-octyl phthalate	52.7	10	ug/L	50.00		105	52-150			
Fluoranthene	48.0	10	ug/L	50.00		96	66-135			
Fluorene	46.9	10	ug/L	50.00		94	67-124			
Hexachlorobenzene	49.0	10	ug/L	50.00		98	62-124			
Hexachlorobutadiene	35.2	10	ug/L	50.00		70	42-105			
Hexachlorocyclopentadiene	19.0	10	ug/L	50.00		38	32-117			
Hexachloroethane	34.8	10	ug/L	50.00		70	40-99			
Indeno(1,2,3-cd)pyrene	49.1	10	ug/L	50.00		98	40-150			
Isophorone	41.4	10	ug/L	50.00		83	54-125			
Naphthalene	37.8	10	ug/L	50.00		76	54-111			
Nitrobenzene	39.0	10	ug/L	50.00		78	51-117			
N-Nitroso-di-n-propylamine	39.6	10	ug/L	50.00		79	55-115			
N-Nitrosodiphenylamine	50.8	10	ug/L	50.00		102	70-152			
Pentachlorophenol	47.4	10	ug/L	50.00		95	23-139			
Phenanthrene	50.6	10	ug/L	50.00		101	68-128			
Phenol	19.2	10	ug/L	50.00		38	12-58			
Pyrene	51.3	10	ug/L	50.00		103	62-139			
Surrogate: 2,4,6-Tribromophenol	*103*		*ug/L*	*100.0*		*103*	*49-109*			
Surrogate: 2-Fluorobiphenyl	*47.0*		*ug/L*	*50.00*		*94*	*55-96*			
Surrogate: 2-Fluorophenol	*56.4*		*ug/L*	*100.0*		*56*	*27-74*			
Surrogate: Nitrobenzene-d5	*41.9*		*ug/L*	*50.00*		*84*	*53-99*			
Surrogate: Phenol-d5	*36.8*		*ug/L*	*100.0*		*37*	*11-52*			
Surrogate: Terphenyl-d14	*52.6*		*ug/L*	*50.00*		*105*	*42-133*			

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Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0413 - 3510C MS										
LCS Dup (P5G0413-BSD1)				Prepared: 07/23/15 Analyzed: 07/24/15						
1,2,4-Trichlorobenzene	48.0	10	ug/L	50.00		96	45-103	23	20	D
1,2-Dichlorobenzene	49.3	10	ug/L	50.00		99	43-100	27	20	D
1,3-Dichlorobenzene	47.4	10	ug/L	50.00		95	42-98	25	20	D
1,4-Dichlorobenzene	48.3	10	ug/L	50.00		97	42-100	27	20	D
1-Methylnaphthalene	47.1	10	ug/L	50.00		94	45-135	19	20	
2,4,5-Trichlorophenol	53.4	10	ug/L	50.00		107	66-120	12	20	
2,4,6-Trichlorophenol	53.0	10	ug/L	50.00		106	62-121	15	20	
2,4-Dichlorophenol	50.0	10	ug/L	50.00		100	58-113	21	20	D
2,4-Dimethylphenol	48.7	10	ug/L	50.00		97	42-120	19	20	
2,4-Dinitrophenol	33.6	10	ug/L	50.00		67	27-129	31	20	D
2,4-Dinitrotoluene	53.6	10	ug/L	50.00		107	62-136	7	20	
2,6-Dinitrotoluene	55.8	10	ug/L	50.00		112	64-129	12	20	
2-Chloronaphthalene	60.1	10	ug/L	50.00		120	38-141	16	20	
2-Chlorophenol	47.6	10	ug/L	50.00		95	49-107	24	20	D
2-Methylnaphthalene	47.2	10	ug/L	50.00		94	55-112	20	20	
2-Methylphenol	44.8	10	ug/L	50.00		90	40-106	23	20	D
2-Nitroaniline	51.7	10	ug/L	50.00		103	65-122	10	20	
2-Nitrophenol	51.4	10	ug/L	50.00		103	57-115	24	20	D
3,3'-Dichlorobenzidine	57.5	10	ug/L	50.00		115	58-139	11	20	
3/4-Methylphenol	42.4	10	ug/L	50.00		85	34-101	23	20	D
3-Nitroaniline	51.7	10	ug/L	50.00		103	52-155	8	20	
4,6-Dinitro-2-methylphenol	41.3	10	ug/L	50.00		83	49-138	14	20	
4-Bromophenyl phenyl ether	48.7	10	ug/L	50.00		97	63-135	10	20	
4-Chloro-3-methylphenol	50.4	10	ug/L	50.00		101	33-149	12	20	
4-Chloroaniline	46.2	10	ug/L	50.00		92	44-163	11	20	
4-Chlorophenyl phenyl ether	46.3	10	ug/L	50.00		93	63-129	10	20	
4-Nitroaniline	49.4	10	ug/L	50.00		99	63-147	8	20	
4-Nitrophenol	22.9	10	ug/L	50.00		46	10-77	7	20	
Acenaphthene	51.6	10	ug/L	50.00		103	64-118	14	20	
Acenaphthylene	52.2	10	ug/L	50.00		104	65-119	15	20	
Aniline	46.8	10	ug/L	50.00		94	12-197	19	20	
Anthracene	53.6	10	ug/L	50.00		107	69-134	7	20	
Azobenzene	55.2	10	ug/L	50.00		110	56-129	8	20	
Benzo(a)anthracene	51.1	10	ug/L	50.00		102	71-125	9	20	
Benzo(a)pyrene	55.5	10	ug/L	50.00		111	67-135	11	20	
Benzo(b)fluoranthene	54.0	10	ug/L	50.00		108	56-145	9	20	
Benzo(g,h,i)perylene	55.1	10	ug/L	50.00		110	44-149	12	20	
Benzo(k)fluoranthene	52.3	10	ug/L	50.00		105	65-138	12	20	
Benzoic Acid	19.0	100	ug/L	50.00		38	10-125	82	20	D, J
Benzyl alcohol	42.8	10	ug/L	50.00		86	35-111	22	20	D
bis(2-Chloroethoxy)methane	47.6	10	ug/L	50.00		95	49-126	23	20	D
Bis(2-Chloroethyl)ether	41.0	10	ug/L	50.00		82	47-124	25	20	D
Bis(2-chloroisopropyl)ether	51.3	10	ug/L	50.00		103	42-126	27	20	D
Bis(2-Ethylhexyl)phthalate	59.0	10	ug/L	50.00		118	59-139	11	20	
Butyl benzyl phthalate	60.5	10	ug/L	50.00		121	67-133	13	20	
Chrysene	51.8	10	ug/L	50.00		104	64-124	7	20	

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0413 - 3510C MS										
LCS Dup (P5G0413-BSD1)				Prepared: 07/23/15 Analyzed: 07/24/15						
Dibenzo(a,h)anthracene	53.7	10	ug/L	50.00		107	49-144	11	20	
Dibenzofuran	53.0	10	ug/L	50.00		106	68-113	13	20	
Diethyl phthalate	53.7	10	ug/L	50.00		107	70-124	10	20	
Dimethyl phthalate	54.0	10	ug/L	50.00		108	71-117	11	20	
Di-n-butyl phthalate	56.1	10	ug/L	50.00		112	69-128	9	20	
Di-n-octyl phthalate	59.1	10	ug/L	50.00		118	52-150	11	20	
Fluoranthene	51.3	10	ug/L	50.00		103	66-135	7	20	
Fluorene	52.6	10	ug/L	50.00		105	67-124	11	20	
Hexachlorobenzene	53.2	10	ug/L	50.00		106	62-124	8	20	
Hexachlorobutadiene	45.7	10	ug/L	50.00		91	42-105	26	20	D
Hexachlorocyclopentadiene	25.9	10	ug/L	50.00		52	32-117	31	20	D
Hexachloroethane	45.7	10	ug/L	50.00		91	40-99	27	20	D
Indeno(1,2,3-cd)pyrene	54.5	10	ug/L	50.00		109	40-150	10	20	
Isophorone	49.1	10	ug/L	50.00		98	54-125	17	20	
Naphthalene	47.2	10	ug/L	50.00		94	54-111	22	20	D
Nitrobenzene	48.8	10	ug/L	50.00		98	51-117	22	20	D
N-Nitroso-di-n-propylamine	50.0	10	ug/L	50.00		100	55-115	23	20	D
N-Nitrosodiphenylamine	55.6	10	ug/L	50.00		111	70-152	9	20	
Pentachlorophenol	52.3	10	ug/L	50.00		105	23-139	10	20	
Phenanthrene	55.1	10	ug/L	50.00		110	68-128	8	20	
Phenol	23.9	10	ug/L	50.00		48	12-58	22	20	D
Pyrene	56.3	10	ug/L	50.00		113	62-139	9	20	
Surrogate: 2,4,6-Tribromophenol	*105*		*ug/L*	*100.0*		*105*	*49-109*			
Surrogate: 2-Fluorobiphenyl	*52.5*		*ug/L*	*50.00*		*105*	*55-96*			*SR*
Surrogate: 2-Fluorophenol	*67.1*		*ug/L*	*100.0*		*67*	*27-74*			
Surrogate: Nitrobenzene-d5	*47.7*		*ug/L*	*50.00*		*95*	*53-99*			
Surrogate: Phenol-d5	*41.9*		*ug/L*	*100.0*		*42*	*11-52*			
Surrogate: Terphenyl-d14	*53.2*		*ug/L*	*50.00*		*106*	*42-133*			

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Mid-Atlantic Associates, Inc. - Raleigh
Attn: Eric Aufderhaar
409 Rogers View Court
Raleigh, NC 27610

Project: AVX

Prism Work Order: 5070367
Time Submitted: 7/20/2015 8:30:00AM

General Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5G0377 - Solids, Dry Weight										
Blank (P5G0377-BLK1)				Prepared & Analyzed: 07/21/15						
% Solids	100	0.100	% by Weight							

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Sample Extraction Data

Prep Method: Solids, Dry Weight

Lab Number	Batch	Initial	Final	Date/Time
5070367-01	P5G0377	30 g	30 g	07/21/15 13:17
5070367-02	P5G0377	30 g	30 g	07/21/15 13:17
5070367-03	P5G0377	30 g	30 g	07/21/15 13:17
5070367-04	P5G0377	30 g	30 g	07/21/15 13:17
5070367-05	P5G0377	30 g	30 g	07/21/15 13:17
5070367-06	P5G0377	30 g	30 g	07/21/15 13:17
5070367-07	P5G0377	30 g	30 g	07/21/15 13:17
5070367-08	P5G0377	30 g	30 g	07/21/15 13:17
5070367-09	P5G0377	30 g	30 g	07/21/15 13:17
5070367-10	P5G0377	30 g	30 g	07/21/15 13:17
5070367-11	P5G0377	30 g	30 g	07/21/15 13:17
5070367-12	P5G0377	30 g	30 g	07/21/15 13:17
5070367-13	P5G0377	30 g	30 g	07/21/15 13:17

Prep Method: 3510C MS

Lab Number	Batch	Initial	Final	Date/Time
5070367-16	P5G0413	1000 mL	1 mL	07/23/15 12:00
5070367-17	P5G0413	1000 mL	1 mL	07/23/15 12:00

Prep Method: 3546

Lab Number	Batch	Initial	Final	Date/Time
5070367-03	P5G0361	30 g	1 mL	07/21/15 9:30
5070367-04	P5G0361	30 g	1 mL	07/21/15 9:30
5070367-05	P5G0361	30.02 g	1 mL	07/21/15 9:30
5070367-07	P5G0361	30 g	1 mL	07/21/15 9:30
5070367-08	P5G0361	30.01 g	1 mL	07/21/15 9:30

Prep Method: 5030B

Lab Number	Batch	Initial	Final	Date/Time
5070367-14	P5G0455	10 mL	10 mL	07/24/15 10:31
5070367-15	P5G0455	10 mL	10 mL	07/24/15 10:31
5070367-15	P5G0455	10 mL	10 mL	07/24/15 10:31
5070367-16	P5G0455	10 mL	10 mL	07/24/15 10:31
5070367-16	P5G0455	10 mL	10 mL	07/24/15 10:31
5070367-17	P5G0455	10 mL	10 mL	07/24/15 10:31

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date/Time
5070367-01	P5G0498	8.4 g	5 mL	07/27/15 14:12
5070367-02	P5G0498	9.02 g	5 mL	07/27/15 14:12
5070367-03	P5G0461	8.05 g	5 mL	07/24/15 12:33
5070367-04	P5G0461	9.64 g	5 mL	07/24/15 12:33
5070367-05	P5G0461	8.51 g	5 mL	07/24/15 12:33
5070367-06	P5G0461	7.64 g	5 mL	07/24/15 12:33
5070367-07	P5G0498	5.83 g	5 mL	07/27/15 14:12
5070367-08	P5G0498	7.93 g	5 mL	07/27/15 14:12
5070367-09	P5G0498	6.08 g	5 mL	07/27/15 14:12
5070367-10	P5G0498	6.57 g	5 mL	07/27/15 14:12
5070367-11	P5G0498	6.23 g	5 mL	07/27/15 14:12
5070367-12	P5G0498	6.53 g	5 mL	07/27/15 14:12
5070367-13	P5G0498	6.45 g	5 mL	07/27/15 14:12

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions
449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING:

Client Company Name: Mid-Atlantic Assoc.
Report To/Contact Name: Eric Aufderhaar
Reporting Address: 409 Roger View Dr. Raleigh, N.C. 27610
Phone: 919/250-9916 Fax (Yes) (No): 919/250-9950
Email Address:
EDD Type: PDF ___ Excel ___ Other ___
Site Location Name:
Site Location Physical Address: 3900 Electronics Dr. Raleigh, N.C.

Project Name: AVX
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (NO)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To:
Address: SAME
Purchase Order No./Billing Reference 2678.00
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?	✓		
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: TRC-10 Observed: 4.0 °C / Corr: 2.8 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC ___ DoD ___ FL ___ NC ___ SC ___ OTHER ___ N/A ___
Water Chlorinated: YES ___ NO ___
Sample Iced Upon Collection: YES ___ NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED VOC 8260B	SVOC 8270D						REMARKS	PRISM LAB ID NO.
SB-1 (6'-8')	7/14/15	1600	SOIL													01
SB-2 (8'-10')	7/16/15	1430														02
SB-3 (2'-3')	7/16/15	1550														03
SB-4 (8'-10')	7/15/15	1215														04
SB-5 (1'-3')	7/15/15	0920														05
SB-6 (4'-5')	7/14/15	1650														06
SB-7 (3'-4')	7/17/15	0815														07
SB-8 (1'-3')	7/15/15	1025														08
SB-9 (1'-3')	7/15/15	0950														09
SB-10 6'-8'	7/17/15	1030														10

Sampler's Signature [signature] Sampled By (Print Name) Gary A. Fiske Affiliation MAA

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
[signature]	[signature]	7/17/15	15:47
Relinquished By: (Signature)	Received By: (Signature)	7/18/15	12:15
Relinquished By: (Signature)	Received For Prism Laboratories By: [signature]	7-20-15	0834

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Prism Field Service ☒ Other BEAUFAX

COC Group No. 5070367

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___	☐ ___

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

CHAIN OF CUSTODY RECORD

PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions
449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING:

Client Company Name: Mid-Atlantic Assoc
Report To/Contact Name: Eric Aufderhaar
Reporting Address: 409 Rogers View Dr Raleigh, N.C. 27610
Phone: (919) 250-9910 Fax (Yes) (No): (919) 250-9950
Email Address:
EDD Type: PDF____ Excel____ Other____
Site Location Name:
Site Location Physical Address: 3900 Electronics Dr. Raleigh, NC

Project Name: HX
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (NO)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To:
Address: SAME
Purchase Order No./Billing Reference 126-78,00
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	X		
Received ON WET ICE?	X		
PROPER PRESERVATIVES indicated?	X		
Received WITHIN HOLDING TIMES?	X		
CUSTODY SEALS INTACT?	X		
VOLATILES rec'd W/OUT HEADSPACE?	X		
PROPER CONTAINERS used?	X		

TEMP: Therm ID: IRT-10 Observed: 4.0 °C / Corr: 2.8 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC____ DoD____ FL____ NC____ SC____ OTHER____ N/A____
Water Chlorinated: YES___ NO___
Sample Iced Upon Collection: YES___ NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED 8260B	8270D					REMARKS	PRISM LAB ID NO.
SB-11 (6'-8')	7/17/15	0915	Soil												11
SB-12 (14'-15')		1100													12
SB-13 (8'-10')		0850													13
MW-14A		0715	H2O												14
MW-14B		0645													15
MW-15A		1230													16
MW-16A		1215													17

Sampler's Signature [signature] Sampled By (Print Name) Gary A Fisch Affiliation MAL

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
[signature]	[signature]	7/17/15	15:47
Relinquished By: (Signature)	Received By: (Signature)	Date	
	[signature]	7/18/15	12:15
Relinquished By: (Signature)	Received For Prism Laboratories By:	Date	
[signature]	[signature]	7-20-15	0830

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Prism Field Service ☒ Other Beaver 2 - Coolers
COC Group No. 5070367

Additional Comments:

PRISM USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ ____	☐ ____	☐ ____	☐ ____	☐ ____	☐ ____	☐ ____	☐ ____	☐ ____

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

EXHIBIT D

VAPOR INTRUSION EVALUATION

Mid Atlantic
Engineering & Environmental Solutions

EXHIBIT D

Mid-Atlantic mobilized to the AVX property located at 3900 Electronics Drive in Raleigh, North Carolina on July 14th through the 16th to collect 40 sub-slab soil gas samples. Soil gas sample locations are shown in **Drawings D-1** and **D-2** (note that these drawings are not drawn to scale and were the only drawings available at the time of writing this report, these drawings were photographed at the site). Sample locations were selected to provide a general assessment of vapor intrusion potential from soil gas at the site resulting from historical industrial uses. Sample locations are located in areas where the building slab is underlain by soil.

Sub-Slab Soil Vapor Sampling Procedures

Sub-slab soil vapor samples were collected following this general procedure. A rotary-impact drill equipped with a spline drill bit is utilized to drill a 5/8-inch diameter hole through the concrete slab. A vapor sampling probe is established using a "Vapor Pin™", a brass or stainless steel barb fitting with a silicone sleeve that creates a seal with the concrete when inserted snugly into the hole via an installation/extraction tool. The Vapor Pin is then fitted with small diameter (1/8- or 1/4-inch outer diameter - OD) rigid-wall tubing (e.g., nylon or Teflon) to complete the vapor sampling probe assembly. At this point, the sampling probe is intact and the tubing can be connected to:

- An apparatus to perform leak-checking,
- Syringes and/or Tedlar bags to obtain sub-slab grab samples (e.g., for leak check gas monitoring, radon gas analysis, etc.), and/or
- Evacuated Summa canisters for collection of sub-slab vapor for laboratory analysis by EPA Method TO-15.

Leak Check

A real-time leak check was performed at each probe location using a plastic shroud, helium gas and a portable helium gas detector. The test ensures an air tight seal at the sample probe site and allows checking for leaks in the sample fittings and other tubing connections not contained within the shroud.

The plastic shroud is placed over the soil vapor probe location with the tubing of the probe exiting the shroud through a small hole. A 3-way valve placed on the probe termination is connected to the sampling apparatus that is to be used. For the tubing sizes proposed, four purge volumes were removed using a clean 60-milliliter (mL) syringe. The volume to be purged is calculated approximately as follows - 4 mL per foot (mL/ft) for 1/8-inch OD tubing and 20 mL/ft for ¼" OD tubing.

A "shut in" test was performed to check for leaks in all sample fittings and connections not contained within shroud. This is achieved by shutting the valve at the probe termination to the off position, then applying a vacuum to all connections between the valve and the sample container (i.e. syringe or Summa canister). An in-line vacuum gauge may be used to observe any loss in vacuum over a period of time (i.e. 60 seconds), which would indicate a leak in the system. For this project, vacuum loss was assessed manually by observing the back pressure on the syringe.

EXHIBIT D - continued

For the leak check, helium was released into the shroud via tubing from the cylinder into the shroud. A hand held helium detector was used to monitor and maintain a reasonably steady concentration of approximately 50% helium in the shroud. Once the concentration was reached, the soil vapor probe was purged at the recommended flow rate and any probe vacuum was recorded. A Tedlar bag is then collected from the probe by connecting to the exhaust port of the purge syringe to fill. The contents of the Tedlar bag were then screened with the helium detector. If the concentration in the bag was ≤10% of the helium concentration in the shroud, no leaks are assumed and sampling may continue. If helium concentration in the Tedlar bag was >10% of the shroud concentration, the sampling was stopped and efforts to improve or replace the probe are made.

Soil Gas Sample Collection

The sub-slab soil vapor samples were then collected in a stainless steel 1L "Summa" canister. The canister was attached to the probe tubing to collect the sub-slab soil gas air samples for laboratory analysis.

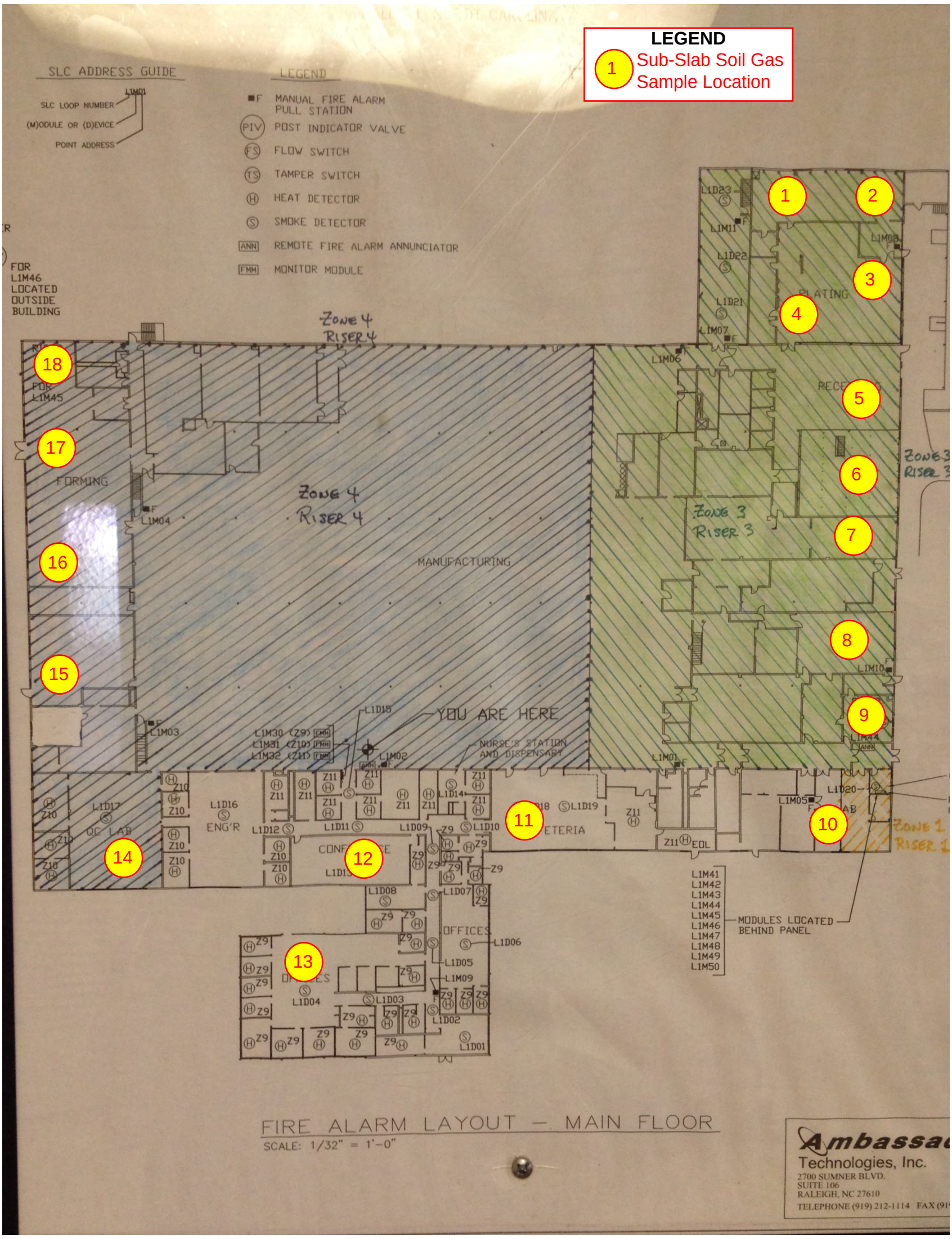
The canister was fitted with a flow regulator (choke) to allow collection of the sample at a rate of approximately 200 mL per minute. Therefore, the duration of the soil gas sample collection was approximately five minutes. The beginning and ending vacuum pressures of each canister were logged. Upon completion, a final reading of the shroud helium concentration is measured with the meter and recorded.

Following sample collection, the Vapor Pins and associated tubing are removed and the borehole in the concrete floor is patched with cement grout.

After Mid-Atlantic collected each of the canister samples, Mid-Atlantic shipped them to a certified laboratory, Con-Test Analytical Laboratory (Con-Test) in East Longmeadow, Massachusetts, under proper chain of custody for analysis. The samples were analyzed by EPA Compendium Method TO-15 by Con-Test.

<u>Laboratory Testing and Results</u>

The laboratory results for VOC analysis of the soil gas samples are summarized in Table D-1 and are compared to the North Carolina Department of Environment and Natural Resources, Division of Waste (DWM) Inactive Hazardous Sites Branch (IHSB) residential and non-residential soil gas screening levels (SGSLs). In summary, 10 compounds were detected at concentrations in excess of the DWM residential SGSLs and four compounds were detected at concentrations in excess of the DWM non-residential SGSLs. Trichloroethylene (TCE) was one of the predominant compounds present in the soil gas and was detected in all samples collected from the site above the laboratory method detection limit with concentrations as high as 880,000 ug/m^3 (the DWM residential and non-residential SGSL for TCE is 13.9 and 175, respectively).



REFERENCES: 1. FIRE MAP PHOTOGRAPHED BY MID-ATLANTIC. 2. MID-ATLANTIC FIELD NOTES.

Mid Atlantic
Engineering & Environmental Solutions

MAIN FLOOR SUB-SLAB SOIL GAS SAMPLE LOCATIONS
FORMER CORNING GLASS WORKS / AVX, INC.
3900 ELECTRONICS DRIVE
RALEIGH, NORTH CAROLINA

DRAWN BY:	DATE: AUGUST 2015
DRAFT CHECK:	JOB NO: 000R2678.00
ENG. CHECK: DHN	GIS NO: 03G-R2678.00-D1
APPROVAL: DHN	DWG NO: D-1

REFERENCES: 1. FIRE MAP PHOTOGRAPHED BY MID-ATLANTIC. 2. MID-ATLANTIC FIELD NOTES.

Mid Atlantic
Engineering & Environmental Solutions

BASEMENT SUB-SLAB SOIL GAS SAMPLE LOCATIONS
FORMER CORNING GLASS WORKS / AVX, INC.
3900 ELECTRONICS DRIVE
RALEIGH, NORTH CAROLINA

DRAWN BY:	KG	DATE:	AUGUST 2015
DRAFT CHECK:	KG	JOB NO:	000R2678.00
ENG. CHECK:	DHN	GIS NO:	03G-R2678.00-D2
APPROVAL:	DHN	DWG NO:	D-2

TABLE D-1 (Page 1 of 5)
SUMMARY OF SUB-SLAB SOIL GAS SAMPLING TEST RESULTS
FORMER CORNING GLASS WORKS / AVX, INC.
3900 ELECTRONICS DRIVE
RALEIGH, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R2678.00

Parameter	Residential Vapor Intrusion Screening Levels	Non-Residential Vapor Intrusion Screening Levels	SAMPLING LOCATION									
	Residential Soil-Gas ug/m3	Non-Residential Soil-Gas ug/m3	VP-1	VP-10	VP-11	VP-12	VP-13	VP-14	VP-15	VP-16	VP-17	VP-18
Sampling Date and Time			7/15/2015 11:35 AM	7/14/2015 4:09 PM	7/14/2015 2:31 PM	7/14/2015 3:08 PM	7/14/2015 3:38 PM	7/15/2015 12:58 PM	7/15/2015 12:42 PM	7/15/2015 12:27 PM	7/15/2015 12:12 PM	7/15/2015 12:00 PM
EPA METHOD TO-15												
Acetone	216000	2720000	1100	650	490 ,	780	170	300	89	65	130	94
Benzene	120	1570	ND (3.3)	0.85	1.2	0.81	0.54 J	ND (0.41)	0.43 J	0.88	0.75 J	ND (0.41)
Benzyl Chloride	6.95	87.6	ND (2.0)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Bromodichloromethane	25.30	331	ND (2.9)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)
Bromoform	~	~	ND (4.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Bromomethane	34.8	438	ND (5.3)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	3.1
1,3-Butadiene	13.9	175	ND (2.3)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)
2-Butanone (MEK)	34800	438000	37 J	49	41	40	17 J	17 J	13 J	11 J	20 J	19 J
Carbon Disulfide	4870	61300	ND (2.1)	1.7 J	2.0 J	1.6 J	2.6 J	0.81 J	2.9 J	0.87 J	1.6 J	0.81 J
Carbon Tetrachloride	156	2040	ND (3.0)	ND (0.38)	ND (0.38)	ND (0.38)	0.69 J	ND (0.38)	0.41 J	0.50 J	ND (0.38)	0.41 J
Chlorobenzene	348	4380	ND (3.2)	0.60 J	ND (0.40)	ND (0.40)	0.51 J	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
Chloroethane	69500	876000	ND (2.0)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	2.0
Chloroform	40.7	533	2.9 J	1.1 J	12	ND (0.29)	ND (0.29)	2.3	ND (0.29)	ND (0.29)	0.44 J	0.34 J
Chloromethane	626	7880	ND (1.8)	0.63 J	ND (0.23)	1.0	0.70 J	0.50 J	0.58 J	0.77 J	0.99 J	9.1
Cyclohexane	41700	526000	ND (4.0)	ND (0.49)	2.5	ND (0.49)	5.0	2.5	3.5	3.4	4.9	4.2
Dibromochloromethane	34.70	454	ND (4.5)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)
1,2-Dibromoethane (EDB)	1.56	20.4	*ND (3.4)*	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
1,2-Dichlorobenzene	1390	17500	ND (3.2)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
1,3-Dichlorobenzene	~	~	38	49	100	91	18	82	57	90	74	21
p-Dichlorobenzene; 1,4-Dichlorobenzene	85.10	1110	ND (3.0)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
Dichlorodifluoromethane (Freon 12)	695	8760	ND (4.3)	5.5	6.1	6.2	6.8	6.8	17	12	9.8	4.7
1,1-Dichloroethane	585	7670	ND (2.3)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
1,2-Dichloroethane	36	472	ND (2.3)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)
1,1-Dichloroethylene	1390	17500	ND (1.9)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
cis-1,2-Dichloroethylene	~	~	ND (3.0)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)
trans-1,2-Dichloroethylene		5260	ND (2.1)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
1,2-Dichloropropane	27.8	350	ND (3.2)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
cis-1,3-Dichloropropene	~	~	ND (2.4)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
trans-1,3-Dichloropropene	~	~	ND (2.4)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	~	~	ND (3.3)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
1,4-Dioxane	~	~	ND (46)	ND (5.8)	ND (5.8)	ND (5.8)	ND (5.8)	ND (5.8)	ND (5.8)	ND (5.8)	ND (5.8)	ND (5.8)
Ethanol	~	~	1500	1100	410 ,	410	190	230	270	230 ,	340	360
Ethyl Acetate	487	~	ND (5.4)	ND (0.67)	5.7	5.3	ND (0.67)	6.0	26	26	44	16
Ethylbenzene	374	4910	*1600*	4.9	7.3	6.7	2.2	3.5	2.1	19	2.0	4.6
4-Ethyltoluene	~	~	97	3.4	3.9	3.6	1.5	2.6	2.9	5.3	1.9	0.91 J
Heptane	~	~	ND (2.7)	1.5	1.5	1.7	ND (0.33)	0.53 J	ND (0.33)	ND (0.33)	1.1	ND (0.33)
Hexachlorobutadiene	~	~	ND (8.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Hexane	4870	61300	ND (12)	6.1 J	9.2 J	5.7 J	7.4 J	2.8 J	3.2 J	15 J	18 J	1.8 J
2-Hexanone (MBK)	209	2630	3.3 J	7.7	6.8	4.0	2.9	ND (0.26)	3.0	3.2	5.6	ND (0.26)
Isopropanol	~	~	1000	4000	7500	13000	1900	880	240	310	140	110
Methyl tert-Butyl Ether (MTBE)	3600	47200	ND (2.2)	12	7.9	9.4	ND (0.28)	ND (0.28)	1.8	2.9	1.1	1.2
Methylene Chloride	4170	52600	ND (8.4)	1.8 J	2.8 J	1.9 J	1.9 J	1.5 J	1.5 J	1.3 J	ND (1.1)	ND (1.1)
4-Methyl-2-pentanone (MIBK)	20900	263000	71	22	17	15	3.7	6.2	5.6	6.7	5.3	3.3
Naphthalene	20.9	263	*25*	1.9	1.3	1.7	1.3 J	2.5	1.8	1.8	2.0	1.9
Propene	20900	263000	13 J	32	3.4 J	3.8 J	6.7 J	3.6 J	3.8 J	11 J	6.5 J	5.7 J
Styrene (Ethenylbenzene)	6950	87600	ND (1.7)	1.2	1.6	1.3	0.66 J	1.7	1.3	1.4	1.3	0.98 J
1,1,2,2-Tetrachloroethane	16.1	211	ND (3.3)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)
Tetrachloroethylene;Perchloroethylene	278	3500	25	74	11	2.2	*350*	20	19	2.0	1.6 J	0.61 J
Tetrahydrofuran	13900	175000	ND (2.5)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	0.75	ND (0.31)
Toluene	34800	438000	23	10	24	22	4.4	5.4	3.1	5.7	8.3	3.2
1,2,4-Trichlorobenzene	13.9	175	ND (5.6)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)
1,1,1-Trichloroethane	34800	438000	ND (2.0)	ND (0.25)	1.3 J	ND (0.25)	ND (0.25)	2.6	ND (0.25)	ND (0.25)	ND (0.25)	0.30 J
1,1,2-Trichloroethane	1.39	17.5	*ND (3.3)*	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)
Trichloroethylene; Trichloroethene; TCE	13.9	175	*29*	*880*	*6200*	*110*	1.9	3.3	2.7	1.2 J	2.5	2.2
Trichlorofluoromethane	4870	61300	16 J	2.8 J	2.6 J	2.6 J	2.7 J	3.9 , J	7.9	6.3	5.1 , J	5.3 , J
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	209000	2630000	360	38	11	3.6 , J	1.1 , J	3.4 , J	3.8 , J	12	6.3 , J	4.6 , J
1,2,4-Trimethylbenzene	48.7	613	*600*	22	26	21	9.4	19	20	18	12	9.1
1,3,5-Trimethylbenzene	~	~	180	4.6	5.7	5.2	2.2	6.5	14	10	2.9	1.6
Vinyl Acetate	1390	17500	ND (3.6)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)
Vinyl chloride; Chloroethene	55.9	2790	ND (2.2)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	0.35 J	0.74	ND (0.27)
Xylene, m&p	695	8760	*4900*	18	27	25	9.0	18	9.9	91	8.1	15
Xylene, o-	695	8760	*1900*	8.4	11	10	4.1	13	9.2	50	3.5	7.4

NOTES:
1. ND = Not detected above the lab reporting limits shown in parenthesis.
2. NT = Not tested.
3. ~ = No IHSB Residential or Non-Residential screening limits limits.
6. Yellow Shaded values exceed the IHSB Residential Soil-Gas Screening Limits.
7. Red Shaded values exceed the IHSB Non-Residential Soil-Gas Screening Limits.
8. J = Estimated Value
9. B = Analyte found in the associated blank as well as the sample.

TABLE D-1 (Page 2 of 5)
SUMMARY OF SUB-SLAB SOIL GAS SAMPLING TEST RESULTS
FORMER CORNING GLASS WORKS / AVX, INC.
3900 ELECTRONICS DRIVE
RALEIGH, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R2678.00

Parameter	Residential Vapor Intrusion Screening Levels	Non-Residential Vapor Intrusion Screening Levels									
	Residential Soil-Gas ug/m3	Non-Residential Soil-Gas ug/m3	VP-19	VP-2	VP-20	VP-21	VP-22	VP-23	VP-24	VP-25	VP-26
Sampling Date and Time			7/16/2015 11:01 AM	7/15/2015 11:17 AM	7/16/2015 11:00 AM	7/15/2015 3:53 PM	7/15/2015 4:04 PM	7/15/2015 4:50 PM	7/16/2015 8:59 AM	7/16/2015 9:17 AM	7/16/2015 9:17 AM
EPA TO-15											
Acetone	216000	2720000	49	1100	120	ND (66)	100 J	200	61	110	58
Benzene	120	1570	0.62 J	6.6	0.85	ND (3.3)	ND (3.3)	2.9	2.3	0.50 J	0.45 J
Benzyl Chloride	6.95	87.6	ND (0.25)	ND (2.0)	ND (0.25)	ND (2.0)	ND (2.0)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Bromodichloromethane	25.30	331	ND (0.37)	ND (2.9)	ND (0.37)	ND (2.9)	ND (2.9)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)
Bromoform	~	~	ND (0.50)	ND (4.0)	ND (0.50)	ND (4.0)	ND (4.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Bromomethane	34.8	438	ND (0.67)	ND (5.3)	ND (0.67)	ND (5.3)	ND (5.3)	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)
1,3-Butadiene	13.9	175	ND (0.28)	ND (2.3)	ND (0.28)	ND (2.3)	ND (2.3)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)
2-Butanone (MEK)	34800	438000	5.7 J	13 J	9.3 J	8.6 J	11 J	18 J	6.6 J	8.6 J	4.5 J
Carbon Disulfide	4870	61300	1.7 J	ND (2.1)	3.0 J	ND (2.1)	ND (2.1)	ND (0.27)	ND (0.27)	1.5 J	1.5 J
Carbon Tetrachloride	156	2040	ND (0.38)	ND (3.0)	ND (0.38)	ND (3.0)	ND (3.0)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
Chlorobenzene	348	4380	ND (0.40)	ND (3.2)	ND (0.40)	ND (3.2)	ND (3.2)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
Chloroethane	69500	876000	ND (0.25)	ND (2.0)	0.82	ND (2.0)	ND (2.0)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Chloroform	40.7	533	2.6	*220*	1.7	*130*	*48*	*85*	*89*	6.1	4.1
Chloromethane	626	7880	0.93 J	ND (1.8)	9.9	ND (1.8)	ND (1.8)	2.4	ND (0.23)	0.64 J	0.99 J
Cyclohexane	41700	526000	2.8	ND (4.0)	2.3	ND (4.0)	ND (4.0)	4.3	2.0	2.8	1.4
Dibromochloromethane	34.70	454	ND (0.57)	ND (4.5)	ND (0.57)	ND (4.5)	ND (4.5)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)
1,2-Dibromoethane (EDB)	1.56	20.4	ND (0.43)	*ND (3.4)*	ND (0.43)	*ND (3.4)*	*ND (3.4)*	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
1,2-Dichlorobenzene	1390	17500	ND (0.40)	ND (3.2)	ND (0.40)	ND (3.2)	ND (3.2)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
1,3-Dichlorobenzene	~	~	9.5	30	3.4	46	15	18	5.2	23	7.4
p-Dichlorobenzene; 1,4-Dichlorobenzene	85.10	1110	ND (0.38)	ND (3.0)	ND (0.38)	ND (3.0)	ND (3.0)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
Dichlorodifluoromethane (Freon 12)	695	8760	*9800*	*31000*	*9100*	290	14	10	22	51	5.8
1,1-Dichloroethane	585	7670	ND (0.29)	ND (2.3)	ND (0.29)	ND (2.3)	ND (2.3)	29	79	ND (0.29)	ND (0.29)
1,2-Dichloroethane	36	472	ND (0.28)	ND (2.3)	ND (0.28)	ND (2.3)	ND (2.3)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)
1,1-Dichloroethylene	1390	17500	ND (0.24)	ND (1.9)	ND (0.24)	ND (1.9)	ND (1.9)	ND (0.24)	1.0	ND (0.24)	ND (0.24)
cis-1,2-Dichloroethylene	~	~	ND (0.37)	8.1	ND (0.37)	20	ND (3.0)	65	130	ND (0.37)	ND (0.37)
trans-1,2-Dichloroethylene		5260	ND (0.26)	8.9	ND (0.26)	15	ND (2.1)	2.3	2.8	ND (0.26)	ND (0.26)
1,2-Dichloropropane	27.8	350	ND (0.40)	ND (3.2)	ND (0.40)	ND (3.2)	ND (3.2)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
cis-1,3-Dichloropropene	~	~	ND (0.30)	ND (2.4)	ND (0.30)	ND (2.4)	ND (2.4)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
trans-1,3-Dichloropropene	~	~	ND (0.30)	ND (2.4)	ND (0.30)	ND (2.4)	ND (2.4)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	~	~	ND (0.42)	ND (3.3)	ND (0.42)	ND (3.3)	ND (3.3)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
1,4-Dioxane	~	~	ND (5.8)	ND (46)	ND (5.8)	ND (46)	ND (46)	ND (5.8)	ND (5.8)	ND (5.8)	ND (5.8)
Ethanol	~	~	110	630	120	260	270	400	330	330	140
Ethyl Acetate	487	~	ND (0.67)	17	2.7	ND (5.4)	ND (5.4)	ND (0.67)	ND (0.67)	3.3	2.0
Ethylbenzene	374	4910	7.9	*2500*	9.8	5.0 J	4.0 J	0.63 J	0.87 J	0.76 J	ND (0.30)
4-Ethyltoluene	~	~	0.84 J	150	0.59 J	ND (2.2)	ND (2.2)	0.64 J	0.59 J	0.96 J	ND (0.28)
Heptane	~	~	ND (0.33)	ND (2.7)	ND (0.33)	ND (2.7)	ND (2.7)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
Hexachlorobutadiene	~	~	ND (1.0)	ND (8.0)	ND (1.0)	11 , J	ND (8.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Hexane	4870	61300	ND (1.6)	ND (12)	ND (1.6)	ND (12)	ND (12)	2.6 J	3.7 J	6.2 J	1.7 J
2-Hexanone (MBK)	209	2630	ND (0.26)	4.6 J	ND (0.26)	ND (2.1)	ND (2.1)	2.4	ND (0.26)	ND (0.26)	ND (0.26)
Isopropanol	~	~	30	2000	21 , J	450	65 J	130	200	55	22 , J
Methyl tert-Butyl Ether (MTBE)	3600	47200	0.31 J	ND (2.2)	ND (0.28)	ND (2.2)	ND (2.2)	0.79 J	ND (0.28)	ND (0.28)	0.52 J
Methylene Chloride	4170	52600	ND (1.1)	ND (8.4)	1.2 J	ND (8.4)	ND (8.4)	1.8 J	2.3 J	2.2 J	1.7 J
4-Methyl-2-pentanone (MIBK)	20900	263000	ND (0.25)	79	ND (0.25)	ND (2.0)	ND (2.0)	2.4	1.4	2.2	ND (0.25)
Naphthalene	20.9	263	17	ND (5.7)	16	ND (5.7)	ND (5.7)	1.2 J	0.94 J	0.81 J	0.73 J
Propene	20900	263000	3.0 J	ND (11)	3.7 J	ND (11)	ND (11)	8.7 J	12 J	4.2 J	3.3 J
Styrene (Ethenylbenzene)	6950	87600	0.34 J	3.9 J	0.38 J	ND (1.7)	ND (1.7)	0.58 J	0.30 J	0.36 J	ND (0.21)
1,1,2,2-Tetrachloroethane	16.1	211	ND (0.41)	ND (3.3)	ND (0.41)	ND (3.3)	ND (3.3)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)
Tetrachloroethylene;Perchloroethylene	278	3500	5.7	37	55	63	39	*480*	*1000*	6.1	21
Tetrahydrofuran	13900	175000	ND (0.31)	70	ND (0.31)	ND (2.5)	ND (2.5)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
Toluene	34800	438000	1.3	120	1.9	2.6 J	ND (2.3)	1.7	1.0	1.2	0.98
1,2,4-Trichlorobenzene	13.9	175	ND (0.70)	ND (5.6)	ND (0.70)	ND (5.6)	ND (5.6)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)
1,1,1-Trichloroethane	34800	438000	ND (0.25)	ND (2.0)	ND (0.25)	ND (2.0)	ND (2.0)	2.1	1.1 J	ND (0.25)	ND (0.25)
1,1,2-Trichloroethane	1.39	17.5	ND (0.41)	*ND (3.3)*	ND (0.41)	*ND (3.3)*	*ND (3.3)*	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)
Trichloroethylene; Trichloroethene; TCE	13.9	175	*220*	*54000*	*570*	*120000*	*16000*	*6000 B*	*4000 B*	*180*	6.9
Trichlorofluoromethane	4870	61300	3.2 J	42 J	2.1 J	28 , J	19 , J	12	14	5.3 J	2.5 J
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	209000	2630000	20	500	11	420	240	1900	3600	22	7.2 , J
1,2,4-Trimethylbenzene	48.7	613	3.4	*790*	2.1	13	13	5.4	5.9	3.3	5.7
1,3,5-Trimethylbenzene	~	~	0.54 J	340	0.47 J	ND (2.0)	ND (2.0)	0.93 J	0.37 J	0.52 J	ND (0.25)
Vinyl Acetate	1390	17500	ND (0.45)	ND (3.6)	ND (0.45)	ND (3.6)	ND (3.6)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)
Vinyl chloride; Chloroethene	55.9	2790	ND (0.27)	ND (2.2)	ND (0.27)	ND (2.2)	ND (2.2)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
Xylene, m&p	695	8760	47	*6400*	51	16 J	14 J	2.5	3.9	3.0	1.0 J
Xylene, o-	695	8760	17	*3300*	19	8.9	6.6 J	1.2	1.4	1.4	0.54 J

NOTES:
1. ND = Not detected above the lab reporting limits shown in parenthesis.
2. NT = Not tested.
3. ~ = No IHSB Residential or Non-Residential screening limits limits.
6. Yellow Shaded values exceed the IHSB Residential Soil-Gas Screening Limits.
7. Red Shaded values exceed the IHSB Non-Residential Soil-Gas Screening Limits.
8. J = Estimated Value.
9. B = Analyte found in the associated blank as well as the sample.

TABLE D-1 (Page 3 of 5)
SUMMARY OF SUB-SLAB SOIL GAS SAMPLING TEST RESULTS
FORMER CORNING GLASS WORKS / AVX, INC.
3900 ELECTRONICS DRIVE
RALEIGH, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R2678.00

Parameter	Residential Vapor Intrusion Screening Levels	Non-Residential Vapor Intrusion Screening Levels									
	Residential Soil-Gas ug/m3	Non-Residential Soil-Gas ug/m3	VP-27	VP-28	VP-29	VP-3	VP-30	VP-31	VP-32	VP-33	VP-34
Sampling Date and Time			7/16/2015 9:38 AM	7/16/2015 9:32 AM	7/15/2015 5:04 PM	7/15/2015 10:48 AM	7/15/2015 4:36 PM	7/15/2015 4:22 PM	7/15/2015 3:04 PM	7/15/2015 3:36 PM	7/16/2015 9:45 AM
EPA TO-15											
Acetone	216000	2720000	86	77	220	480	89 J	90 J	95 J	120 J	ND (66)
Benzene	120	1570	0.42 J	ND (0.41)	2.8	ND (0.41)	ND (3.3)	4.1 J	ND (3.3)	ND (3.3)	ND (3.3)
Benzyl Chloride	6.95	87.6	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Bromodichloromethane	25.30	331	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.9)
Bromoform	~	~	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Bromomethane	34.8	438	ND (0.67)	ND (0.67)	ND (0.67)	ND (0.67)	ND (5.3)	ND (5.3)	ND (5.3)	ND (5.3)	ND (5.3)
1,3-Butadiene	13.9	175	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (2.3)	ND (2.3)	ND (2.3)	ND (2.3)	ND (2.3)
2-Butanone (MEK)	34800	438000	7.7 J	8.2 J	54	21 J	12 J	12 J	20 J	16 J	9.3 J
Carbon Disulfide	4870	61300	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.1)	2.6 J
Carbon Tetrachloride	156	2040	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	4.3 J	17	4.8 J	ND (3.0)	ND (3.0)
Chlorobenzene	348	4380	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3.2)
Chloroethane	69500	876000	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Chloroform	40.7	533	0.61 J	2.8	*41*	15	37	*380*	*250*	*45*	20
Chloromethane	626	7880	0.50 J	0.57 J	ND (0.23)	0.50 J	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)
Cyclohexane	41700	526000	3.1	2.8	3.3	3.1	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)
Dibromochloromethane	34.70	454	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (4.5)	ND (4.5)	ND (4.5)	ND (4.5)	ND (4.5)
1,2-Dibromoethane (EDB)	1.56	20.4	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	*ND (3.4)*	*ND (3.4)*	*ND (3.4)*	*ND (3.4)*	*ND (3.4)*
1,2-Dichlorobenzene	1390	17500	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3.2)
1,3-Dichlorobenzene	~	~	6.8	4.9	8.9	35	22	97	74	21	6.3 J
p-Dichlorobenzene; 1,4-Dichlorobenzene	85.10	1110	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	6.3 J
Dichlorodifluoromethane (Freon 12)	695	8760	15	17	7.5	*9400*	11	50	120	32	19
1,1-Dichloroethane	585	7670	ND (0.29)	ND (0.29)	190	ND (0.29)	2.8 J	ND (2.3)	ND (2.3)	ND (2.3)	2.4 J
1,2-Dichloroethane	36	472	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (2.3)	ND (2.3)	ND (2.3)	ND (2.3)	ND (2.3)
1,1-Dichloroethylene	1390	17500	ND (0.24)	ND (0.24)	3.1	ND (0.24)	ND (1.9)	29	3.0 J	ND (1.9)	ND (1.9)
cis-1,2-Dichloroethylene	~	~	ND (0.37)	ND (0.37)	140	ND (0.37)	23	350	58	6.8 J	ND (3.0)
trans-1,2-Dichloroethylene		5260	ND (0.26)	ND (0.26)	7.9	ND (0.26)	24	260	43	7.3 J	4.8 J
1,2-Dichloropropane	27.8	350	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3.2)
cis-1,3-Dichloropropene	~	~	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)
trans-1,3-Dichloropropene	~	~	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	~	~	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)
1,4-Dioxane	~	~	ND (5.8)	ND (5.8)	ND (5.8)	ND (5.8)	ND (46)	ND (46)	ND (46)	ND (46)	ND (46)
Ethanol	~	~	190 ,	130	900	1000	450	1300	250	270	270
Ethyl Acetate	487	~	2.9	6.0	1.8	17	ND (5.4)	ND (5.4)	ND (5.4)	ND (5.4)	ND (5.4)
Ethylbenzene	374	4910	0.48 J	0.41 J	0.91 J	3.3	ND (2.4)	ND (2.4)	3.8 J	2.4 J	ND (2.4)
4-Ethyltoluene	~	~	0.74 J	0.71 J	0.81 J	5.8	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.2)
Heptane	~	~	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)	ND (2.7)	ND (2.7)	6.1 J	19	ND (2.7)
Hexachlorobutadiene	~	~	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (8.0)	8.1 , J	ND (8.0)	21	ND (8.0)
Hexane	4870	61300	5.0 J	ND (1.6)	6.3 J	1.8 J	ND (12)	ND (12)	230 J	870	ND (12)
2-Hexanone (MBK)	209	2630	2.9	ND (0.26)	4.8	5.9	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.1)
Isopropanol	~	~	36	41	110	520	63 J	990	2100	560	27 J
Methyl tert-Butyl Ether (MTBE)	3600	47200	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (2.2)	ND (2.2)	3.9 J	ND (2.2)	ND (2.2)
Methylene Chloride	4170	52600	1.2 J	ND (1.1)	2.4 J	1.3 J	ND (8.4)	ND (8.4)	ND (8.4)	ND (8.4)	ND (8.4)
4-Methyl-2-pentanone (MIBK)	20900	263000	5.4	1.8	2.5	7.8	ND (2.0)	5.2 J	ND (2.0)	ND (2.0)	ND (2.0)
Naphthalene	20.9	263	ND (0.71)	0.89 J	0.92 J	4.6	ND (5.7)	ND (5.7)	ND (5.7)	ND (5.7)	ND (5.7)
Propene	20900	263000	2.5 J	3.1 J	8.2 J	5.0 J	14 J	ND (11)	ND (11)	ND (11)	12 J
Styrene (Ethenylbenzene)	6950	87600	0.66 J	0.47 J	0.62 J	1.6	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)
1,1,2,2-Tetrachloroethane	16.1	211	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)
Tetrachloroethylene;Perchloroethylene	278	3500	3.1	61	*770*	12	150	*400*	49	25	51
Tetrahydrofuran	13900	175000	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Toluene	34800	438000	1.6	1.4	3.2	6.5	ND (2.3)	3.8 J	5.4 J	3.0 J	ND (2.3)
1,2,4-Trichlorobenzene	13.9	175	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (5.6)	ND (5.6)	ND (5.6)	ND (5.6)	ND (5.6)
1,1,1-Trichloroethane	34800	438000	ND (0.25)	ND (0.25)	ND (0.25)	5.2	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
1,1,2-Trichloroethane	1.39	17.5	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)	*ND (3.3)*	*ND (3.3)*	*11*	*ND (3.3)*	*ND (3.3)*
Trichloroethylene; Trichloroethene; TCE	13.9	175	6.9	*320*	*8600 B*	*2700*	*130000*	*880000*	*140000*	*41000*	*32000*
Trichlorofluoromethane	4870	61300	6.5	8.0	23	14	33 , J	90	23 J	21 , J	20 , J
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	209000	2630000	960	52	1500	880	380	2600	420	230	62
1,2,4-Trimethylbenzene	48.7	613	7.5	4.1	4.8	38	11	27	29	14	3.9 J
1,3,5-Trimethylbenzene	~	~	0.47 J	0.81 J	1.0 J	10	ND (2.0)	2.6 J	3.5 J	ND (2.0)	ND (2.0)
Vinyl Acetate	1390	17500	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (3.6)	ND (3.6)	ND (3.6)	ND (3.6)	ND (3.6)
Vinyl chloride; Chloroethene	55.9	2790	ND (0.27)	ND (0.27)	0.73	ND (0.27)	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.2)
Xylene, m&p	695	8760	1.6 J	1.5 J	3.3	13	ND (4.4)	7.5 J	16 J	9.9 J	ND (4.4)
Xylene, o-	695	8760	0.74 J	1.2	1.5	6.9	ND (2.5)	4.3 J	6.9 J	4.0 J	ND (2.5)

NOTES:
1. ND = Not detected above the lab reporting limits shown in parenthesis.
2. NT = Not tested.
3. ~ = No IHSB Residential or Non-Residential screening limits limits.
6. Yellow Shaded values exceed the IHSB Residential Soil-Gas Screening Limits.
7. Red Shaded values exceed the IHSB Non-Residential Soil-Gas Screening Limits.
8. J = Estimated Value
9. B = Analyte found in the associated blank as well as the sample.

TABLE D-1 (Page 4 of 5)
SUMMARY OF SUB-SLAB SOIL GAS SAMPLING TEST RESULTS
FORMER CORNING GLASS WORKS / AVX, INC.
3900 ELECTRONICS DRIVE
RALEIGH, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R2678.00

Parameter	Residential Vapor Intrusion Screening Levels	Non-Residential Vapor Intrusion Screening Levels									
	Residential Soil-Gas ug/m3	Non-Residential Soil-Gas ug/m3	VP-35	VP-36	VP-37	VP-38	VP-39	VP-4	VP-40	VP-5	VP-6
Sampling Date and Time			7/16/2015 9:57 AM	7/16/2015 10:26 AM	7/16/2015 10:30 AM	7/16/2015 10:43 AM	7/16/2015 10:44 AM	7/15/2015 10:32 AM	7/15/2015 3:23 PM	7/15/2015 10:10 AM	7/15/2015 9:23 AM
EPA TO-15											
Acetone	216000	2720000	290	40	160	260	160 J	280	890	ND (8.2)	1300
Benzene	120	1570	0.70 J	0.77 J	2.9	ND (3.3)	ND (3.3)	8.9	ND (3.3)	ND (0.41)	ND (3.3)
Benzyl Chloride	6.95	87.6	ND (0.25)	ND (0.25)	ND (0.25)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (0.25)	ND (2.0)
Bromodichloromethane	25.30	331	ND (0.37)	ND (0.37)	ND (0.37)	ND (2.9)	ND (2.9)	ND (2.9)	ND (2.9)	ND (0.37)	ND (2.9)
Bromoform	~	~	ND (0.50)	ND (0.50)	ND (0.50)	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (0.50)	ND (4.0)
Bromomethane	34.8	438	ND (0.67)	ND (0.67)	ND (0.67)	ND (5.3)	ND (5.3)	ND (5.3)	ND (5.3)	ND (0.67)	ND (5.3)
1,3-Butadiene	13.9	175	ND (0.28)	ND (0.28)	ND (0.28)	ND (2.3)	ND (2.3)	ND (2.3)	ND (2.3)	ND (0.28)	ND (2.3)
2-Butanone (MEK)	34800	438000	8.3 J	2.0 J	10 J	22 J	17 J	23 J	60 J	8.1 J	90 J
Carbon Disulfide	4870	61300	ND (0.27)	ND (0.27)	1.3 J	ND (2.1)	10 J	ND (2.1)	3.6 J	ND (0.27)	ND (2.1)
Carbon Tetrachloride	156	2040	ND (0.38)	ND (0.38)	ND (0.38)	ND (3.0)	ND (3.0)	ND (3.0)	4.3 J	ND (0.38)	ND (3.0)
Chlorobenzene	348	4380	ND (0.40)	ND (0.40)	ND (0.40)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3.2)	ND (0.40)	ND (3.2)
Chloroethane	69500	876000	ND (0.25)	ND (0.25)	ND (0.25)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (0.25)	ND (2.0)
Chloroform	40.7	533	1.2 J	1.1 J	0.68 J	7.6 J	25	*3000*	*540*	ND (0.29)	ND (2.3)
Chloromethane	626	7880	0.59 J	0.42 J	1.4	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	0.85 J	ND (1.8)
Cyclohexane	41700	526000	3.6	ND (0.49)	4.3	ND (4.0)	ND (4.0)	ND (4.0)	ND (4.0)	ND (0.49)	ND (4.0)
Dibromochloromethane	34.70	454	ND (0.57)	ND (0.57)	ND (0.57)	ND (4.5)	ND (4.5)	ND (4.5)	ND (4.5)	ND (0.57)	ND (4.5)
1,2-Dibromoethane (EDB)	1.56	20.4	ND (0.43)	ND (0.43)	ND (0.43)	*ND (3.4)*	*ND (3.4)*	*ND (3.4)*	*ND (3.4)*	ND (0.43)	*ND (3.4)*
1,2-Dichlorobenzene	1390	17500	ND (0.40)	ND (0.40)	ND (0.40)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3.2)	ND (0.40)	ND (3.2)
1,3-Dichlorobenzene	~	~	25	4.4	7.2	12	32	48	32	34	28
p-Dichlorobenzene; 1,4-Dichlorobenzene	85.10	1110	ND (0.38)	ND (0.38)	ND (0.38)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (0.38)	28
Dichlorodifluoromethane (Freon 12)	695	8760	13	22	17	42	33	*8200*	46	490	100
1,1-Dichloroethane	585	7670	ND (0.29)	ND (0.29)	ND (0.29)	ND (2.3)	ND (2.3)	ND (2.3)	ND (2.3)	ND (0.29)	ND (2.3)
1,2-Dichloroethane	36	472	ND (0.28)	ND (0.28)	ND (0.28)	ND (2.3)	ND (2.3)	ND (2.3)	ND (2.3)	ND (0.28)	ND (2.3)
1,1-Dichloroethylene	1390	17500	ND (0.24)	ND (0.24)	ND (0.24)	ND (1.9)	ND (1.9)	ND (1.9)	15	ND (0.24)	ND (1.9)
cis-1,2-Dichloroethylene	~	~	ND (0.37)	ND (0.37)	ND (0.37)	3.0 J	6.8 J	ND (3.0)	72	ND (0.37)	ND (3.0)
trans-1,2-Dichloroethylene		5260	ND (0.26)	ND (0.26)	ND (0.26)	3.5 J	3.8 J	5.4 J	67	ND (0.26)	ND (2.1)
1,2-Dichloropropane	27.8	350	ND (0.40)	ND (0.40)	ND (0.40)	ND (3.2)	ND (3.2)	ND (3.2)	ND (3.2)	ND (0.40)	ND (3.2)
cis-1,3-Dichloropropene	~	~	ND (0.30)	ND (0.30)	ND (0.30)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (0.30)	ND (2.4)
trans-1,3-Dichloropropene	~	~	ND (0.30)	ND (0.30)	ND (0.30)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (0.30)	ND (2.4)
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	~	~	ND (0.42)	ND (0.42)	ND (0.42)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)	ND (0.42)	ND (3.3)
1,4-Dioxane	~	~	ND (5.8)	ND (5.8)	ND (5.8)	ND (46)	ND (46)	ND (46)	ND (46)	ND (5.8)	ND (46)
Ethanol	~	~	470	63	240	470	150	1100	1100	330	1600
Ethyl Acetate	487	~	3.1	2.2	2.1	ND (5.4)	ND (5.4)	ND (5.4)	ND (5.4)	26	ND (5.4)
Ethylbenzene	374	4910	250	14	1.3	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	0.76 J	2.8 J
4-Ethyltoluene	~	~	3.1	0.76 J	0.66 J	ND (2.2)	ND (2.2)	ND (2.2)	16	0.88 J	2.9 J
Heptane	~	~	ND (0.33)	ND (0.33)	ND (0.33)	ND (2.7)	ND (2.7)	ND (2.7)	ND (2.7)	ND (0.33)	ND (2.7)
Hexachlorobutadiene	~	~	ND (1.0)	ND (1.0)	ND (1.0)	17 J	ND (8.0)	ND (8.0)	ND (8.0)	ND (1.0)	ND (8.0)
Hexane	4870	61300	ND (1.6)	2.0 J	11 J	ND (12)	61 J	ND (12)	ND (12)	ND (1.6)	ND (12)
2-Hexanone (MBK)	209	2630	ND (0.26)	ND (0.26)	4.8	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.1)	1.4	9.8
Isopropanol	~	~	99	36	150 ,	93 J	1600	600	2100	58	2100
Methyl tert-Butyl Ether (MTBE)	3600	47200	ND (0.28)	ND (0.28)	ND (0.28)	37	ND (2.2)	ND (2.2)	ND (2.2)	0.65 J	ND (2.2)
Methylene Chloride	4170	52600	1.3 J	2.0 J	1.7 J	ND (8.4)	ND (8.4)	ND (8.4)	ND (8.4)	ND (1.1)	ND (8.4)
4-Methyl-2-pentanone (MIBK)	20900	263000	8.2	7.2	ND (0.25)	ND (2.0)	ND (2.0)	8.8	7.4 J	1.9	11
Naphthalene	20.9	263	0.89 J	ND (0.71)	0.97 J	ND (5.7)	ND (5.7)	ND (5.7)	ND (5.7)	1.7	ND (5.7)
Propene	20900	263000	3.1 J	ND (1.3)	3.5 J	ND (11)	18 J	ND (11)	ND (11)	4.4 J	12 J
Styrene (Ethenylbenzene)	6950	87600	0.66 J	ND (0.21)	0.58 J	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	0.81 J	ND (1.7)
1,1,2,2-Tetrachloroethane	16.1	211	ND (0.41)	ND (0.41)	ND (0.41)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)	ND (0.41)	ND (3.3)
Tetrachloroethylene;Perchloroethylene	278	3500	20	22	12	63	10 J	83	100	39	*320*
Tetrahydrofuran	13900	175000	ND (0.31)	ND (0.31)	ND (0.31)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (0.31)	ND (2.5)
Toluene	34800	438000	3.7	1.9	1.4	ND (2.3)	ND (2.3)	4.8 J	3.8 J	2.6	ND (2.3)
1,2,4-Trichlorobenzene	13.9	175	ND (0.70)	ND (0.70)	ND (0.70)	ND (5.6)	ND (5.6)	ND (5.6)	ND (5.6)	ND (0.70)	ND (5.6)
1,1,1-Trichloroethane	34800	438000	0.90 J	ND (0.25)	ND (0.25)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	1.3 J	ND (2.0)
1,1,2-Trichloroethane	1.39	17.5	ND (0.41)	ND (0.41)	ND (0.41)	*ND (3.3)*	*ND (3.3)*	*ND (3.3)*	*15*	ND (0.41)	*ND (3.3)*
Trichloroethylene; Trichloroethene; TCE	13.9	175	*29*	*27*	*17*	*34000*	*15000*	*35000*	*210000*	1.6	3.4 J
Trichlorofluoromethane	4870	61300	7.2	8.6	9.6	22 , , J	52	12 J	16 J	12	7.2 J
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	209000	2630000	93	120	8.1	74	11 J	1600	120	2900	1000
1,2,4-Trimethylbenzene	48.7	613	5.6	3.0	8.4	5.3 J	11	19	*64*	9.1	22
1,3,5-Trimethylbenzene	~	~	1.7	0.52 J	0.61 J	ND (2.0)	ND (2.0)	2.9 J	38	1.2	2.4 J
Vinyl Acetate	1390	17500	ND (0.45)	ND (0.45)	ND (0.45)	ND (3.6)	ND (3.6)	ND (3.6)	ND (3.6)	ND (0.45)	ND (3.6)
Vinyl chloride; Chloroethene	55.9	2790	ND (0.27)	ND (0.27)	ND (0.27)	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.2)	ND (0.27)	ND (2.2)
Xylene, m&p	695	8760	540	42	4.9	ND (4.4)	ND (4.4)	5.6 J	9.0 J	2.6	9.7 J
Xylene, o-	695	8760	410	5.3	2.2	ND (2.5)	ND (2.5)	ND (2.5)	16	1.5	5.0 J

NOTES:
1. ND = Not detected above the lab reporting limits shown in parenthesis.
2. NT = Not tested.
3. ~ = No IHSB Residential or Non-Residential screening limits limits.
6. Yellow Shaded values exceed the IHSB Residential Soil-Gas Screening Limits.
7. Red Shaded values exceed the IHSB Non-Residential Soil-Gas Screening Limits.
8. J = Estimated Value
9. B = Analyte found in the associated blank as well as the sample.

TABLE D-1 (Page 5 of 5)
SUMMARY OF SUB-SLAB SOIL GAS SAMPLING TEST RESULTS
FORMER CORNING GLASS WORKS / AVX, INC.
3900 ELECTRONICS DRIVE
RALEIGH, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R2678.00

Parameter	Residential Vapor Intrusion Screening Levels	Non-Residential Vapor Intrusion Screening Levels			
	Residential Soil-Gas ug/m3	Non-Residential Soil-Gas ug/m3	VP-7	VP-8	VP-9
Sampling Date and Time			7/14/2015 5:03 PM	7/14/2015 4:46 PM	7/14/2015 4:24 PM
EPA TO-15					
Acetone	216000	2720000	310	1100	460
Benzene	120	1570	3.3 J	ND (0.41)	3.6 J
Benzyl Chloride	6.95	87.6	ND (2.0)	ND (0.25)	ND (2.0)
Bromodichloromethane	25.30	331	ND (2.9)	ND (0.37)	ND (2.9)
Bromoform	~	~	ND (4.0)	ND (0.50)	ND (4.0)
Bromomethane	34.8	438	ND (5.3)	ND (0.67)	ND (5.3)
1,3-Butadiene	13.9	175	ND (2.3)	ND (0.28)	ND (2.3)
2-Butanone (MEK)	34800	438000	47 J	24 J	49 J
Carbon Disulfide	4870	61300	ND (2.1)	1.8 J	ND (2.1)
Carbon Tetrachloride	156	2040	ND (3.0)	ND (0.38)	6.8 J
Chlorobenzene	348	4380	ND (3.2)	ND (0.40)	ND (3.2)
Chloroethane	69500	876000	ND (2.0)	ND (0.25)	ND (2.0)
Chloroform	40.7	533	ND (2.3)	*41*	*590*
Chloromethane	626	7880	ND (1.8)	0.66 J	ND (1.8)
Cyclohexane	41700	526000	ND (4.0)	15	ND (4.0)
Dibromochloromethane	34.70	454	ND (4.5)	ND (0.57)	ND (4.5)
1,2-Dibromoethane (EDB)	1.56	20.4	*ND (3.4)*	ND (0.43)	*ND (3.4)*
1,2-Dichlorobenzene	1390	17500	ND (3.2)	ND (0.40)	ND (3.2)
1,3-Dichlorobenzene	~	~	160	33	67
p-Dichlorobenzene; 1,4-Dichlorobenzene	85.10	1110	ND (3.0)	ND (0.38)	ND (3.0)
Dichlorodifluoromethane (Freon 12)	695	8760	69	4.4 L-05	6.7 J
1,1-Dichloroethane	585	7670	ND (2.3)	ND (0.29)	ND (2.3)
1,2-Dichloroethane	36	472	ND (2.3)	ND (0.28)	ND (2.3)
1,1-Dichloroethylene	1390	17500	ND (1.9)	ND (0.24)	ND (1.9)
cis-1,2-Dichloroethylene	~	~	ND (3.0)	ND (0.37)	ND (3.0)
trans-1,2-Dichloroethylene		5260	ND (2.1)	ND (0.26)	5.4 J
1,2-Dichloropropane	27.8	350	ND (3.2)	ND (0.40)	ND (3.2)
cis-1,3-Dichloropropene	~	~	ND (2.4)	ND (0.30)	ND (2.4)
trans-1,3-Dichloropropene	~	~	ND (2.4)	ND (0.30)	ND (2.4)
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	~	~	ND (3.3)	ND (0.42)	ND (3.3)
1,4-Dioxane	~	~	ND (46)	ND (5.8)	ND (46)
Ethanol	~	~	1600	1600	860
Ethyl Acetate	487	~	ND (5.4)	3.3	ND (5.4)
Ethylbenzene	374	4910	12	4.3	8.5 J
4-Ethyltoluene	~	~	6.3 J	2.7	3.3 J
Heptane	~	~	ND (2.7)	0.94 J	ND (2.7)
Hexachlorobutadiene	~	~	ND (8.0)	ND (1.0)	ND (8.0)
Hexane	4870	61300	ND (12)	2.1 J	ND (12)
2-Hexanone (MBK)	209	2630	7.0 J	2.3	9.2
Isopropanol	~	~	12000	7800	5900
Methyl tert-Butyl Ether (MTBE)	3600	47200	11	5.1	6.8 J
Methylene Chloride	4170	52600	ND (8.4)	1.7 J	ND (8.4)
4-Methyl-2-pentanone (MIBK)	20900	263000	15	7.2	ND (2.0)
Naphthalene	20.9	263	ND (5.7)	1.4	ND (5.7)
Propene	20900	263000	ND (11)	13 J	ND (11)
Styrene (Ethenylbenzene)	6950	87600	1.9 J	1.1	ND (1.7)
1,1,2,2-Tetrachloroethane	16.1	211	ND (3.3)	ND (0.41)	ND (3.3)
Tetrachloroethylene;Perchloroethylene	278	3500	100	16	120
Tetrahydrofuran	13900	175000	ND (2.5)	ND (0.31)	ND (2.5)
Toluene	34800	438000	34	17	23
1,2,4-Trichlorobenzene	13.9	175	ND (5.6)	ND (0.70)	ND (5.6)
1,1,1-Trichloroethane	34800	438000	ND (2.0)	ND (0.25)	ND (2.0)
1,1,2-Trichloroethane	1.39	17.5	*ND (3.3)*	ND (0.41)	*ND (3.3)*
Trichloroethylene; Trichloroethene; TCE	13.9	175	6.0 J	*750*	*53000*
Trichlorofluoromethane	4870	61300	6.3 J	2.1 J	4.5 J
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	209000	2630000	1300	39 L-05	200
1,2,4-Trimethylbenzene	48.7	613	*53*	19	31
1,3,5-Trimethylbenzene	~	~	8.3 J	3.5	4.5 J
Vinyl Acetate	1390	17500	ND (3.6)	ND (0.45)	ND (3.6)
Vinyl chloride; Chloroethene	55.9	2790	ND (2.2)	ND (0.27)	ND (2.2)
Xylene, m&p	695	8760	46	17	36
Xylene, o-	695	8760	17	6.7	13

NOTES:
1. ND = Not detected above the lab reporting limits shown in parenthesis.
2. NT = Not tested.
3. ~ = No IHSB Residential or Non-Residential screening limits limits.
6. Yellow Shaded values exceed the IHSB Residential Soil-Gas Screening Limits.
7. Red Shaded values exceed the IHSB Non-Residential Soil-Gas Screening Limits.
8. J = Estimated Value
9. B = Analyte found in the associated blank as well as the sample.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 5, 2015

Kelly Johnson
Mid-Atlantic Associates, Inc. - Raleigh, NC
409 Rogers View Court
Raleigh, NC 27610

Project Location: AVX Raleigh, NC
Client Job Number:
Project Number: 000R2682.00
Laboratory Work Order Number: 15G0861

Enclosed are results of analyses for samples received by the laboratory on July 17, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington
Project Manager

QA Officer
Katherine Allen

Laboratory Manager
Daren Damboragian

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Mid-Atlantic Associates, Inc. - Raleigh, NC
409 Rogers View Court
Raleigh, NC 27610
ATTN: Kelly Johnson

REPORT DATE: 8/5/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 000R2682.00

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15G0861

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: AVX Raleigh, NC

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
VP-11	15G0861-01	Soil Gas		EPA TO-15	
VP-12	15G0861-02	Soil Gas		EPA TO-15	
VP-13	15G0861-03	Soil Gas		EPA TO-15	
VP-10	15G0861-04	Soil Gas		EPA TO-15	
VP-9	15G0861-05	Soil Gas		EPA TO-15	
VP-8	15G0861-06	Soil Gas		EPA TO-15	
VP-7	15G0861-07	Soil Gas		EPA TO-15	
VP-6	15G0861-08	Soil Gas		EPA TO-15	
VP-5	15G0861-09	Soil Gas		EPA TO-15	
VP-4	15G0861-10	Soil Gas		EPA TO-15	
VP-3	15G0861-11	Soil Gas		EPA TO-15	
VP-2	15G0861-12	Soil Gas		EPA TO-15	
VP-1	15G0861-13	Soil Gas		EPA TO-15	
VP-18	15G0861-14	Soil Gas		EPA TO-15	
VP-17	15G0861-15	Soil Gas		EPA TO-15	
VP-16	15G0861-16	Soil Gas		EPA TO-15	
VP-15	15G0861-17	Soil Gas		EPA TO-15	
VP-14	15G0861-18	Soil Gas		EPA TO-15	
VP-32	15G0861-19	Soil Gas		EPA TO-15	
VP-40	15G0861-20	Soil Gas		EPA TO-15	
VP-33	15G0861-21	Soil Gas		EPA TO-15	
VP-21	15G0861-22	Soil Gas		EPA TO-15	
VP-22	15G0861-23	Soil Gas		EPA TO-15	
VP-31	15G0861-24	Soil Gas		EPA TO-15	
VP-30	15G0861-25	Soil Gas		EPA TO-15	
VP-23	15G0861-26	Soil Gas		EPA TO-15	
VP-29	15G0861-27	Soil Gas		EPA TO-15	
VP-24	15G0861-28	Soil Gas		EPA TO-15	
VP-26	15G0861-29	Soil Gas		EPA TO-15	
VP-28	15G0861-30	Soil Gas		EPA TO-15	
VP-34	15G0861-31	Soil Gas		EPA TO-15	
VP-36	15G0861-32	Soil Gas		EPA TO-15	
VP-25	15G0861-33	Soil Gas		EPA TO-15	
VP-27	15G0861-34	Soil Gas		EPA TO-15	
VP-35	15G0861-35	Soil Gas		EPA TO-15	
VP-37	15G0861-36	Soil Gas		EPA TO-15	
VP-39	15G0861-37	Soil Gas		EPA TO-15	
VP-19	15G0861-38	Soil Gas		EPA TO-15	
VP-20	15G0861-39	Soil Gas		EPA TO-15	
VP-38	15G0861-40	Soil Gas		EPA TO-15	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

EPA TO-15

Qualifications:

Analyte is found in the associated blank as well as in the sample.

Analyte & Samples(s) Qualified:

Trichloroethylene

15G0861-26RE1[VP-23], 15G0861-27RE1[VP-29], 15G0861-28RE1[VP-24], B127860-BS1

Data is not affected by elevated level in blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Trichloroethylene

B127860-BLK1

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

1,1,2,2-Tetrachloroethane, 1,2,4-Trichlorobenzene, 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114), 1,3-Butadiene, Bromomethane, Chloroethane, Chloromethane, Ethyl Acetate, Hexachlorobutadiene, Vinyl Chloride

B127857-BS1, B127861-BS1, B127860-BS1, B127859-BS1

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2-Dichloropropane, Benzyl chloride, Cyclohexane, Methyl tert-Butyl Ether (MTBE)

15G0861-40[VP-38], B127859-BLK1, B127859-BS1, 15G0861-09[VP-5], 15G0861-14[VP-18], 15G0861-15[VP-17], 15G0861-16[VP-16], 15G0861-17[VP-15], 15G0861-18[VP-14], B127858-BLK1, B127858-BS1, 15G0861-05[VP-9], 15G0861-07[VP-7], 15G0861-08[VP-6], 15G0861-10[VP-4], 15G0861-12[VP-2], 15G0861-13[VP-1], 15G0861-19[VP-32], 15G0861-20[VP-40], 15G0861-21[VP-33], 15G0861-22[VP-21], 15G0861-23[VP-22], 15G0861-24[VP-31], 15G0861-25[VP-30], 15G0861-31[VP-34], 15G0861-37[VP-39], B127860-BLK1, B127860-BS1, B127861-BLK1, B127861-BS1

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113), Acetone, Bromomethane, Dichlorodifluoromethane (Freon 12), Ethanol, Hexachlorobutadiene, Isopropanol, Trichlorofluoromethane (Freon 11)

15G0861-01[VP-11], 15G0861-02[VP-12], 15G0861-03[VP-13], 15G0861-04[VP-10], 15G0861-06[VP-8], 15G0861- 11[VP-3], 15G0861-26[VP-23], 15G0861-27[VP-29], 15G0861-29[VP-26], 15G0861-30[VP-28], 15G0861-32[VP-36], 15G0861-33[VP-25], 15G0861-34[VP-27], 15G0861-35[VP-35], 15G0861-36[VP-37], 15G0861-38[VP-19], 15G0861-39[VP-20], B127857-BS1, 15G0861-28[VP-24], 15G0861-14[VP-18], B127858-BS1, 15G0861-06RE1[VP-8], 15G0861-09[VP-5], 15G0861-15[VP-17], 15G0861-16[VP-16], 15G0861-17[VP-15], 15G0861-18[VP-14], 15G0861-21[VP-33], 15G0861-22[VP-21], 15G0861-23[VP-22], 15G0861-24[VP-31], 15G0861-25[VP-30], 15G0861-27RE1[VP-29], 15G0861-31[VP-34], 15G0861-37[VP-39], 15G0861-40[VP-38], B127859-BS1, B127860-BLK1, B127860-BS1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113), 1,2,4-Trichlorobenzene, 1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114), 1,3-Butadiene, Acetone, Bromomethane, Chloroethane, Chloromethane, Ethanol, Ethyl Acetate, Hexachlorobutadiene, Isopropanol, Trichlorofluoromethane (Freon 11), Vinyl Chloride

15G0861-14[VP-18], 15G0861-15[VP-17], 15G0861-16[VP-16], 15G0861-17[VP-15], 15G0861-18[VP-14], B127858-BLK1, B127858-BS1, B127860-BS1, B127859-BS1, B127861-BS1, 15G0861-01[VP-11], 15G0861-03[VP-13], 15G0861-11[VP-3], 15G0861-26[VP-23], 15G0861-27[VP-29], 15G0861-28[VP-24], 15G0861-29[VP-26], 15G0861-30[VP-28], 15G0861-32[VP-36], 15G0861-33[VP-25], 15G0861-34[VP-27], 15G0861-35[VP-35], 15G0861-36[VP-37], 15G0861-38[VP-19], 15G0861-39[VP-20], B127857-BS1, 15G0861-02[VP-12], 15G0861-04RE1[VP-10], 15G0861-05[VP-9], 15G0861-06RE1[VP-8], 15G0861-07[VP-7], 15G0861-08[VP-6], 15G0861-09[VP-5], 15G0861-10[VP-4], 15G0861-11RE1[VP-3], 15G0861-12[VP-2], 15G0861-13[VP-1], 15G0861-19[VP-32], 15G0861-20[VP-40], 15G0861-21[VP-33], 15G0861-22[VP-21], 15G0861-23[VP-22], 15G0861-24[VP-31], 15G0861-25[VP-30], 15G0861-27RE1[VP-29], 15G0861-31[VP-34], 15G0861-37[VP-39], 15G0861-40[VP-38], B127860-BLK1

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The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Johanna K. Harrington
Manager, Laboratory Reporting

con-test® ANALYTICAL LABORATORY

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-11
Sample ID: 15G0861-01
Sample Matrix: Soil Gas
Sampled: 7/14/2015 14:31

Sample Description/Location:
Sub Description/Location:
Canister ID: 1527
Canister Size: 1 liter
Flow Controller ID: 4085
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -5.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	210	10	3.5	V-06, L-05	490	24	8.2	5	8/4/15 6:47	TPH
Benzene	0.38	0.25	0.13		1.2	0.80	0.41	5	8/4/15 6:47	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/4/15 6:47	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/4/15 6:47	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/4/15 6:47	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/4/15 6:47	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/4/15 6:47	TPH
2-Butanone (MEK)	14	10	0.19		41	29	0.55	5	8/4/15 6:47	TPH
Carbon Disulfide	0.65	2.5	0.086	J	2.0	7.8	0.27	5	8/4/15 6:47	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/4/15 6:47	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/4/15 6:47	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/4/15 6:47	TPH
Chloroform	2.4	0.25	0.058		12	1.2	0.29	5	8/4/15 6:47	TPH
Chloromethane	ND	0.50	0.11		ND	1.0	0.23	5	8/4/15 6:47	TPH
Cyclohexane	0.72	0.25	0.14		2.5	0.86	0.49	5	8/4/15 6:47	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/4/15 6:47	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/4/15 6:47	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/4/15 6:47	TPH
1,3-Dichlorobenzene	17	0.25	0.056		100	1.5	0.33	5	8/4/15 6:47	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/4/15 6:47	TPH
Dichlorodifluoromethane (Freon 12)	1.2	0.25	0.11	L-05	6.1	1.2	0.54	5	8/4/15 6:47	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/4/15 6:47	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/4/15 6:47	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/4/15 6:47	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/4/15 6:47	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/4/15 6:47	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/4/15 6:47	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/4/15 6:47	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/4/15 6:47	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/4/15 6:47	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/4/15 6:47	TPH
Ethanol	220	10	4.5	V-06, L-05	410	19	8.4	5	8/4/15 6:47	TPH
Ethyl Acetate	1.6	0.25	0.19		5.7	0.90	0.67	5	8/4/15 6:47	TPH
Ethylbenzene	1.7	0.25	0.069		7.3	1.1	0.30	5	8/4/15 6:47	TPH
4-Ethyltoluene	0.78	0.25	0.056		3.9	1.2	0.28	5	8/4/15 6:47	TPH
Heptane	0.36	0.25	0.081		1.5	1.0	0.33	5	8/4/15 6:47	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/4/15 6:47	TPH
Hexane	2.6	10	0.44	J	9.2	35	1.6	5	8/4/15 6:47	TPH
2-Hexanone (MBK)	1.7	0.25	0.064		6.8	1.0	0.26	5	8/4/15 6:47	TPH
Isopropanol	3000	80	2.5		7500	200	6.0	40	7/28/15 21:39	TPH
Methyl tert-Butyl Ether (MTBE)	2.2	0.25	0.077		7.9	0.90	0.28	5	8/4/15 6:47	TPH
Methylene Chloride	0.81	2.5	0.30	J	2.8	8.7	1.1	5	8/4/15 6:47	TPH
4-Methyl-2-pentanone (MIBK)	4.1	0.25	0.060		17	1.0	0.25	5	8/4/15 6:47	TPH
Naphthalene	0.25	0.25	0.14		1.3	1.3	0.71	5	8/4/15 6:47	TPH
Propene	2.0	10	0.76	J	3.4	17	1.3	5	8/4/15 6:47	TPH
Styrene	0.38	0.25	0.048		1.6	1.1	0.21	5	8/4/15 6:47	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/4/15 6:47	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-11
Sample ID: 15G0861-01
Sample Matrix: Soil Gas
Sampled: 7/14/2015 14:31

Sample Description/Location:
Sub Description/Location:
Canister ID: 1527
Canister Size: 1 liter
Flow Controller ID: 4085
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -5.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1.6	0.25	0.071		11	1.7	0.48	5	8/4/15 6:47	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/4/15 6:47	TPH
Toluene	6.4	0.25	0.078		24	0.94	0.29	5	8/4/15 6:47	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/4/15 6:47	TPH
1,1,1-Trichloroethane	0.24	0.25	0.045	J	1.3	1.4	0.25	5	8/4/15 6:47	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/4/15 6:47	TPH
Trichloroethylene	1100	2.0	0.59		6200	11	3.2	40	7/28/15 21:39	TPH
Trichlorofluoromethane (Freon 11)	0.46	1.0	0.087	J	2.6	5.6	0.49	5	8/4/15 6:47	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.5	1.0	0.070	L-05	11	7.7	0.54	5	8/4/15 6:47	TPH
1,2,4-Trimethylbenzene	5.4	0.25	0.062		26	1.2	0.30	5	8/4/15 6:47	TPH
1,3,5-Trimethylbenzene	1.2	0.25	0.050		5.7	1.2	0.25	5	8/4/15 6:47	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/4/15 6:47	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/4/15 6:47	TPH
m&p-Xylene	6.3	0.50	0.13		27	2.2	0.55	5	8/4/15 6:47	TPH
o-Xylene	2.5	0.25	0.072		11	1.1	0.31	5	8/4/15 6:47	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	111	70-130	7/28/15 21:39
4-Bromofluorobenzene (1)	101	70-130	8/4/15 6:47

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-12
Sample ID: 15G0861-02
Sample Matrix: Soil Gas
Sampled: 7/14/2015 15:08

Sample Description/Location:
Sub Description/Location:
Canister ID: 1429
Canister Size: 1 liter
Flow Controller ID: 4086
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	330	160	56		780	380	130	80	7/30/15 22:08	TPH
Benzene	0.26	0.25	0.13		0.81	0.80	0.41	5	8/4/15 2:11	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/4/15 2:11	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/4/15 2:11	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/4/15 2:11	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/4/15 2:11	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/4/15 2:11	TPH
2-Butanone (MEK)	13	10	0.19		40	29	0.55	5	8/4/15 2:11	TPH
Carbon Disulfide	0.52	2.5	0.086	J	1.6	7.8	0.27	5	8/4/15 2:11	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/4/15 2:11	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/4/15 2:11	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/4/15 2:11	TPH
Chloroform	ND	0.25	0.058		ND	1.2	0.29	5	8/4/15 2:11	TPH
Chloromethane	0.50	0.50	0.11		1.0	1.0	0.23	5	8/4/15 2:11	TPH
Cyclohexane	ND	0.25	0.14		ND	0.86	0.49	5	8/4/15 2:11	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/4/15 2:11	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/4/15 2:11	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/4/15 2:11	TPH
1,3-Dichlorobenzene	15	0.25	0.056		91	1.5	0.33	5	8/4/15 2:11	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/4/15 2:11	TPH
Dichlorodifluoromethane (Freon 12)	1.2	0.25	0.11	L-05	6.2	1.2	0.54	5	8/4/15 2:11	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/4/15 2:11	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/4/15 2:11	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/4/15 2:11	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/4/15 2:11	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/4/15 2:11	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/4/15 2:11	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/4/15 2:11	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/4/15 2:11	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/4/15 2:11	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/4/15 2:11	TPH
Ethanol	220	10	4.5	L-05, V-06	410	19	8.4	5	8/4/15 2:11	TPH
Ethyl Acetate	1.5	0.25	0.19		5.3	0.90	0.67	5	8/4/15 2:11	TPH
Ethylbenzene	1.5	0.25	0.069		6.7	1.1	0.30	5	8/4/15 2:11	TPH
4-Ethyltoluene	0.73	0.25	0.056		3.6	1.2	0.28	5	8/4/15 2:11	TPH
Heptane	0.41	0.25	0.081		1.7	1.0	0.33	5	8/4/15 2:11	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/4/15 2:11	TPH
Hexane	1.6	10	0.44	J	5.7	35	1.6	5	8/4/15 2:11	TPH
2-Hexanone (MBK)	0.98	0.25	0.064		4.0	1.0	0.26	5	8/4/15 2:11	TPH
Isopropanol	5100	160	4.9		13000	390	12	80	7/30/15 22:08	TPH
Methyl tert-Butyl Ether (MTBE)	2.6	0.25	0.077		9.4	0.90	0.28	5	8/4/15 2:11	TPH
Methylene Chloride	0.55	2.5	0.30	J	1.9	8.7	1.1	5	8/4/15 2:11	TPH
4-Methyl-2-pentanone (MIBK)	3.6	0.25	0.060		15	1.0	0.25	5	8/4/15 2:11	TPH
Naphthalene	0.32	0.25	0.14		1.7	1.3	0.71	5	8/4/15 2:11	TPH
Propene	2.2	10	0.76	J	3.8	17	1.3	5	8/4/15 2:11	TPH
Styrene	0.32	0.25	0.048		1.3	1.1	0.21	5	8/4/15 2:11	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/4/15 2:11	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-12
Sample ID: 15G0861-02
Sample Matrix: Soil Gas
Sampled: 7/14/2015 15:08

Sample Description/Location:
Sub Description/Location:
Canister ID: 1429
Canister Size: 1 liter
Flow Controller ID: 4086
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.32	0.25	0.071		2.2	1.7	0.48	5	8/4/15 2:11	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/4/15 2:11	TPH
Toluene	5.8	0.25	0.078		22	0.94	0.29	5	8/4/15 2:11	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/4/15 2:11	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/4/15 2:11	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/4/15 2:11	TPH
Trichloroethylene	20	0.25	0.074		110	1.3	0.40	5	8/4/15 2:11	TPH
Trichlorofluoromethane (Freon 11)	0.46	1.0	0.087	J	2.6	5.6	0.49	5	8/4/15 2:11	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.47	1.0	0.070	L-05, J	3.6	7.7	0.54	5	8/4/15 2:11	TPH
1,2,4-Trimethylbenzene	4.3	0.25	0.062		21	1.2	0.30	5	8/4/15 2:11	TPH
1,3,5-Trimethylbenzene	1.0	0.25	0.050		5.2	1.2	0.25	5	8/4/15 2:11	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/4/15 2:11	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/4/15 2:11	TPH
m&p-Xylene	5.7	0.50	0.13		25	2.2	0.55	5	8/4/15 2:11	TPH
o-Xylene	2.3	0.25	0.072		10	1.1	0.31	5	8/4/15 2:11	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	7/30/15 22:08
4-Bromofluorobenzene (1)	100	70-130	8/4/15 2:11

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-13
Sample ID: 15G0861-03
Sample Matrix: Soil Gas
Sampled: 7/14/2015 15:38

Sample Description/Location:
Sub Description/Location:
Canister ID: 1418
Canister Size: 1 liter
Flow Controller ID: 4089
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	73	10	3.5	L-05, V-06	170	24	8.2	5	8/3/15 23:33	TPH
Benzene	0.17	0.25	0.13	J	0.54	0.80	0.41	5	8/3/15 23:33	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/3/15 23:33	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/3/15 23:33	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/3/15 23:33	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/3/15 23:33	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/3/15 23:33	TPH
2-Butanone (MEK)	5.9	10	0.19	J	17	29	0.55	5	8/3/15 23:33	TPH
Carbon Disulfide	0.84	2.5	0.086	J	2.6	7.8	0.27	5	8/3/15 23:33	TPH
Carbon Tetrachloride	0.11	0.25	0.060	J	0.69	1.6	0.38	5	8/3/15 23:33	TPH
Chlorobenzene	0.11	0.25	0.086	J	0.51	1.2	0.40	5	8/3/15 23:33	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/3/15 23:33	TPH
Chloroform	ND	0.25	0.058		ND	1.2	0.29	5	8/3/15 23:33	TPH
Chloromethane	0.34	0.50	0.11	J	0.70	1.0	0.23	5	8/3/15 23:33	TPH
Cyclohexane	1.5	0.25	0.14		5.0	0.86	0.49	5	8/3/15 23:33	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/3/15 23:33	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/3/15 23:33	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/3/15 23:33	TPH
1,3-Dichlorobenzene	3.0	0.25	0.056		18	1.5	0.33	5	8/3/15 23:33	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/3/15 23:33	TPH
Dichlorodifluoromethane (Freon 12)	1.4	0.25	0.11	L-05	6.8	1.2	0.54	5	8/3/15 23:33	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/3/15 23:33	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/3/15 23:33	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/3/15 23:33	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/3/15 23:33	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/3/15 23:33	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 23:33	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/3/15 23:33	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/3/15 23:33	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/3/15 23:33	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/3/15 23:33	TPH
Ethanol	99	10	4.5	L-05, V-06	190	19	8.4	5	8/3/15 23:33	TPH
Ethyl Acetate	ND	0.25	0.19		ND	0.90	0.67	5	8/3/15 23:33	TPH
Ethylbenzene	0.51	0.25	0.069		2.2	1.1	0.30	5	8/3/15 23:33	TPH
4-Ethyltoluene	0.31	0.25	0.056		1.5	1.2	0.28	5	8/3/15 23:33	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/3/15 23:33	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/3/15 23:33	TPH
Hexane	2.1	10	0.44	J	7.4	35	1.6	5	8/3/15 23:33	TPH
2-Hexanone (MBK)	0.72	0.25	0.064		2.9	1.0	0.26	5	8/3/15 23:33	TPH
Isopropanol	760	80	2.5		1900	200	6.0	40	7/28/15 22:50	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.25	0.077		ND	0.90	0.28	5	8/3/15 23:33	TPH
Methylene Chloride	0.54	2.5	0.30	J	1.9	8.7	1.1	5	8/3/15 23:33	TPH
4-Methyl-2-pentanone (MIBK)	0.90	0.25	0.060		3.7	1.0	0.25	5	8/3/15 23:33	TPH
Naphthalene	0.24	0.25	0.14	J	1.3	1.3	0.71	5	8/3/15 23:33	TPH
Propene	3.9	10	0.76	J	6.7	17	1.3	5	8/3/15 23:33	TPH
Styrene	0.16	0.25	0.048	J	0.66	1.1	0.21	5	8/3/15 23:33	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/3/15 23:33	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-13
Sample ID: 15G0861-03
Sample Matrix: Soil Gas
Sampled: 7/14/2015 15:38

Sample Description/Location:
Sub Description/Location:
Canister ID: 1418
Canister Size: 1 liter
Flow Controller ID: 4089
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	51	0.25	0.071		350	1.7	0.48	5	8/3/15 23:33	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/3/15 23:33	TPH
Toluene	1.2	0.25	0.078		4.4	0.94	0.29	5	8/3/15 23:33	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/3/15 23:33	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/3/15 23:33	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/3/15 23:33	TPH
Trichloroethylene	0.35	0.25	0.074		1.9	1.3	0.40	5	8/3/15 23:33	TPH
Trichlorofluoromethane (Freon 11)	0.48	1.0	0.087	J	2.7	5.6	0.49	5	8/3/15 23:33	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.14	1.0	0.070	L-05, J	1.1	7.7	0.54	5	8/3/15 23:33	TPH
1,2,4-Trimethylbenzene	1.9	0.25	0.062		9.4	1.2	0.30	5	8/3/15 23:33	TPH
1,3,5-Trimethylbenzene	0.44	0.25	0.050		2.2	1.2	0.25	5	8/3/15 23:33	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/3/15 23:33	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/3/15 23:33	TPH
m&p-Xylene	2.1	0.50	0.13		9.0	2.2	0.55	5	8/3/15 23:33	TPH
o-Xylene	0.95	0.25	0.072		4.1	1.1	0.31	5	8/3/15 23:33	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	7/28/15 22:50
4-Bromofluorobenzene (1)	101	70-130	8/3/15 23:33

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-10
Sample ID: 15G0861-04
Sample Matrix: Soil Gas
Sampled: 7/14/2015 16:09

Sample Description/Location:
Sub Description/Location:
Canister ID: 1603
Canister Size: 1 liter
Flow Controller ID: 4088
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	280	80	28		650	190	66	40	7/28/15 23:25	TPH
Benzene	0.26	0.25	0.13		0.85	0.80	0.41	5	8/4/15 0:52	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/4/15 0:52	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/4/15 0:52	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/4/15 0:52	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/4/15 0:52	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/4/15 0:52	TPH
2-Butanone (MEK)	16	10	0.19		48	29	0.55	5	8/4/15 0:52	TPH
Carbon Disulfide	0.56	2.5	0.086	J	1.7	7.8	0.27	5	8/4/15 0:52	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/4/15 0:52	TPH
Chlorobenzene	0.13	0.25	0.086	J	0.60	1.2	0.40	5	8/4/15 0:52	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/4/15 0:52	TPH
Chloroform	0.24	0.25	0.058	J	1.1	1.2	0.29	5	8/4/15 0:52	TPH
Chloromethane	0.30	0.50	0.11	J	0.63	1.0	0.23	5	8/4/15 0:52	TPH
Cyclohexane	ND	0.25	0.14		ND	0.86	0.49	5	8/4/15 0:52	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/4/15 0:52	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/4/15 0:52	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/4/15 0:52	TPH
1,3-Dichlorobenzene	8.2	0.25	0.056		49	1.5	0.33	5	8/4/15 0:52	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/4/15 0:52	TPH
Dichlorodifluoromethane (Freon 12)	1.1	0.25	0.11	L-05	5.5	1.2	0.54	5	8/4/15 0:52	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/4/15 0:52	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/4/15 0:52	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/4/15 0:52	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/4/15 0:52	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/4/15 0:52	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/4/15 0:52	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/4/15 0:52	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/4/15 0:52	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/4/15 0:52	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/4/15 0:52	TPH
Ethanol	580	80	36	V-06	1100	150	67	40	7/28/15 23:25	TPH
Ethyl Acetate	ND	0.25	0.19		ND	0.90	0.67	5	8/4/15 0:52	TPH
Ethylbenzene	1.1	0.25	0.069		4.9	1.1	0.30	5	8/4/15 0:52	TPH
4-Ethyltoluene	0.69	0.25	0.056		3.4	1.2	0.28	5	8/4/15 0:52	TPH
Heptane	0.36	0.25	0.081		1.5	1.0	0.33	5	8/4/15 0:52	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/4/15 0:52	TPH
Hexane	1.7	10	0.44	J	6.1	35	1.6	5	8/4/15 0:52	TPH
2-Hexanone (MBK)	1.9	0.25	0.064		7.7	1.0	0.26	5	8/4/15 0:52	TPH
Isopropanol	1600	80	2.5		4000	200	6.0	40	7/28/15 23:25	TPH
Methyl tert-Butyl Ether (MTBE)	3.4	0.25	0.077		12	0.90	0.28	5	8/4/15 0:52	TPH
Methylene Chloride	0.52	2.5	0.30	J	1.8	8.7	1.1	5	8/4/15 0:52	TPH
4-Methyl-2-pentanone (MIBK)	5.4	0.25	0.060		22	1.0	0.25	5	8/4/15 0:52	TPH
Naphthalene	0.36	0.25	0.14		1.9	1.3	0.71	5	8/4/15 0:52	TPH
Propene	19	10	0.76		32	17	1.3	5	8/4/15 0:52	TPH
Styrene	0.28	0.25	0.048		1.2	1.1	0.21	5	8/4/15 0:52	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/4/15 0:52	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-10
Sample ID: 15G0861-04
Sample Matrix: Soil Gas
Sampled: 7/14/2015 16:09

Sample Description/Location:
Sub Description/Location:
Canister ID: 1603
Canister Size: 1 liter
Flow Controller ID: 4088
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	11	0.25	0.071		74	1.7	0.48	5	8/4/15 0:52	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/4/15 0:52	TPH
Toluene	2.6	0.25	0.078		10.0	0.94	0.29	5	8/4/15 0:52	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/4/15 0:52	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/4/15 0:52	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/4/15 0:52	TPH
Trichloroethylene	120	0.25	0.074		660	1.3	0.40	5	8/4/15 0:52	TPH
Trichlorofluoromethane (Freon 11)	0.50	1.0	0.087	J	2.8	5.6	0.49	5	8/4/15 0:52	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.9	1.0	0.070	L-05	38	7.7	0.54	5	8/4/15 0:52	TPH
1,2,4-Trimethylbenzene	4.6	0.25	0.062		22	1.2	0.30	5	8/4/15 0:52	TPH
1,3,5-Trimethylbenzene	0.94	0.25	0.050		4.6	1.2	0.25	5	8/4/15 0:52	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/4/15 0:52	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/4/15 0:52	TPH
m&p-Xylene	4.2	0.50	0.13		18	2.2	0.55	5	8/4/15 0:52	TPH
o-Xylene	1.9	0.25	0.072		8.4	1.1	0.31	5	8/4/15 0:52	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	112	70-130	7/28/15 23:25
4-Bromofluorobenzene (1)	100	70-130	8/4/15 0:52

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-9
Sample ID: 15G0861-05
Sample Matrix: Soil Gas
Sampled: 7/14/2015 16:24

Sample Description/Location:
Sub Description/Location:
Canister ID: 1534
Canister Size: 1 liter
Flow Controller ID: 4073
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	200	80	28		460	190	66	40	7/29/15 0:00	TPH
Benzene	1.1	2.0	1.0	J	3.6	6.4	3.3	40	7/29/15 0:00	TPH
Benzyl chloride	ND	2.0	0.39		ND	10	2.0	40	7/29/15 0:00	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/29/15 0:00	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/29/15 0:00	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/29/15 0:00	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/29/15 0:00	TPH
2-Butanone (MEK)	17	80	1.5	J	49	240	4.4	40	7/29/15 0:00	TPH
Carbon Disulfide	ND	20	0.69		ND	62	2.1	40	7/29/15 0:00	TPH
Carbon Tetrachloride	1.1	2.0	0.48	J	6.8	13	3.0	40	7/29/15 0:00	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 0:00	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/29/15 0:00	TPH
Chloroform	120	2.0	0.47		590	9.8	2.3	40	7/29/15 0:00	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/29/15 0:00	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/29/15 0:00	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/29/15 0:00	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/29/15 0:00	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/29/15 0:00	TPH
1,3-Dichlorobenzene	11	2.0	0.44		67	12	2.7	40	7/29/15 0:00	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	7/29/15 0:00	TPH
Dichlorodifluoromethane (Freon 12)	1.4	2.0	0.87	J	6.7	9.9	4.3	40	7/29/15 0:00	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 0:00	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 0:00	TPH
1,1-Dichloroethylene	ND	2.0	0.49		ND	7.9	1.9	40	7/29/15 0:00	TPH
cis-1,2-Dichloroethylene	ND	2.0	0.76		ND	7.9	3.0	40	7/29/15 0:00	TPH
trans-1,2-Dichloroethylene	1.4	2.0	0.53	J	5.4	7.9	2.1	40	7/29/15 0:00	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 0:00	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/29/15 0:00	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/29/15 0:00	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/29/15 0:00	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/29/15 0:00	TPH
Ethanol	450	80	36	V-06	860	150	67	40	7/29/15 0:00	TPH
Ethyl Acetate	ND	2.0	1.5		ND	7.2	5.4	40	7/29/15 0:00	TPH
Ethylbenzene	2.0	2.0	0.55	J	8.5	8.7	2.4	40	7/29/15 0:00	TPH
4-Ethyltoluene	0.68	2.0	0.45	J	3.3	9.8	2.2	40	7/29/15 0:00	TPH
Heptane	ND	2.0	0.65		ND	8.2	2.7	40	7/29/15 0:00	TPH
Hexachlorobutadiene	ND	2.0	0.75		ND	21	8.0	40	7/29/15 0:00	TPH
Hexane	ND	80	3.5		ND	280	12	40	7/29/15 0:00	TPH
2-Hexanone (MBK)	2.2	2.0	0.51		9.2	8.2	2.1	40	7/29/15 0:00	TPH
Isopropanol	2400	80	2.5		5900	200	6.0	40	7/29/15 0:00	TPH
Methyl tert-Butyl Ether (MTBE)	1.9	2.0	0.62	J	6.8	7.2	2.2	40	7/29/15 0:00	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/29/15 0:00	TPH
4-Methyl-2-pentanone (MIBK)	ND	2.0	0.48		ND	8.2	2.0	40	7/29/15 0:00	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	7/29/15 0:00	TPH
Propene	ND	80	6.1		ND	140	11	40	7/29/15 0:00	TPH
Styrene	ND	2.0	0.39		ND	8.5	1.7	40	7/29/15 0:00	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/29/15 0:00	TPH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-9
Sample ID: 15G0861-05
Sample Matrix: Soil Gas
Sampled: 7/14/2015 16:24

Sample Description/Location:
Sub Description/Location:
Canister ID: 1534
Canister Size: 1 liter
Flow Controller ID: 4073
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	18	2.0	0.57		120	14	3.9	40	7/29/15 0:00	TPH
Tetrahydrofuran	ND	2.0	0.84		ND	5.9	2.5	40	7/29/15 0:00	TPH
Toluene	6.1	2.0	0.62		23	7.5	2.3	40	7/29/15 0:00	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/29/15 0:00	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/29/15 0:00	TPH
1,1,2-Trichloroethane	ND	2.0	0.61		ND	11	3.3	40	7/29/15 0:00	TPH
Trichloroethylene	9800	20	5.9		53000	110	32	400	7/31/15 1:09	TPH
Trichlorofluoromethane (Freon 11)	0.80	8.0	0.70	J	4.5	45	3.9	40	7/29/15 0:00	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	26	8.0	0.56		200	61	4.3	40	7/29/15 0:00	TPH
1,2,4-Trimethylbenzene	6.3	2.0	0.49		31	9.8	2.4	40	7/29/15 0:00	TPH
1,3,5-Trimethylbenzene	0.92	2.0	0.40	J	4.5	9.8	2.0	40	7/29/15 0:00	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/29/15 0:00	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/29/15 0:00	TPH
m&p-Xylene	8.2	4.0	1.0		36	17	4.4	40	7/29/15 0:00	TPH
o-Xylene	3.1	2.0	0.58		13	8.7	2.5	40	7/29/15 0:00	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	7/29/15 0:00
4-Bromofluorobenzene (1)	113	70-130	7/31/15 1:09

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-8
Sample ID: 15G0861-06
Sample Matrix: Soil Gas
Sampled: 7/14/2015 16:46

Sample Description/Location:
Sub Description/Location:
Canister ID: 1404
Canister Size: 1 liter
Flow Controller ID: 4072
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	450	160	56		1100	380	130	80	7/30/15 22:43	TPH
Benzene	ND	0.25	0.13		ND	0.80	0.41	5	8/4/15 2:50	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/4/15 2:50	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/4/15 2:50	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/4/15 2:50	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/4/15 2:50	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/4/15 2:50	TPH
2-Butanone (MEK)	8.3	10	0.19	J	24	29	0.55	5	8/4/15 2:50	TPH
Carbon Disulfide	0.56	2.5	0.086	J	1.8	7.8	0.27	5	8/4/15 2:50	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/4/15 2:50	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/4/15 2:50	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/4/15 2:50	TPH
Chloroform	8.5	0.25	0.058		41	1.2	0.29	5	8/4/15 2:50	TPH
Chloromethane	0.32	0.50	0.11	J	0.66	1.0	0.23	5	8/4/15 2:50	TPH
Cyclohexane	4.5	0.25	0.14		15	0.86	0.49	5	8/4/15 2:50	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/4/15 2:50	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/4/15 2:50	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/4/15 2:50	TPH
1,3-Dichlorobenzene	5.5	0.25	0.056		33	1.5	0.33	5	8/4/15 2:50	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/4/15 2:50	TPH
Dichlorodifluoromethane (Freon 12)	0.88	0.25	0.11	L-05	4.4	1.2	0.54	5	8/4/15 2:50	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/4/15 2:50	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/4/15 2:50	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/4/15 2:50	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/4/15 2:50	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/4/15 2:50	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/4/15 2:50	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/4/15 2:50	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/4/15 2:50	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/4/15 2:50	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/4/15 2:50	TPH
Ethanol	850	160	71	L-05, V-06	1600	300	130	80	7/30/15 22:43	TPH
Ethyl Acetate	0.92	0.25	0.19		3.3	0.90	0.67	5	8/4/15 2:50	TPH
Ethylbenzene	1.0	0.25	0.069		4.3	1.1	0.30	5	8/4/15 2:50	TPH
4-Ethyltoluene	0.54	0.25	0.056		2.7	1.2	0.28	5	8/4/15 2:50	TPH
Heptane	0.23	0.25	0.081	J	0.94	1.0	0.33	5	8/4/15 2:50	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/4/15 2:50	TPH
Hexane	0.60	10	0.44	J	2.1	35	1.6	5	8/4/15 2:50	TPH
2-Hexanone (MBK)	0.57	0.25	0.064		2.3	1.0	0.26	5	8/4/15 2:50	TPH
Isopropanol	3200	160	4.9		7800	390	12	80	7/30/15 22:43	TPH
Methyl tert-Butyl Ether (MTBE)	1.4	0.25	0.077		5.1	0.90	0.28	5	8/4/15 2:50	TPH
Methylene Chloride	0.48	2.5	0.30	J	1.7	8.7	1.1	5	8/4/15 2:50	TPH
4-Methyl-2-pentanone (MIBK)	1.8	0.25	0.060		7.2	1.0	0.25	5	8/4/15 2:50	TPH
Naphthalene	0.26	0.25	0.14		1.4	1.3	0.71	5	8/4/15 2:50	TPH
Propene	7.3	10	0.76	J	13	17	1.3	5	8/4/15 2:50	TPH
Styrene	0.26	0.25	0.048		1.1	1.1	0.21	5	8/4/15 2:50	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/4/15 2:50	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-8
Sample ID: 15G0861-06
Sample Matrix: Soil Gas
Sampled: 7/14/2015 16:46

Sample Description/Location:
Sub Description/Location:
Canister ID: 1404
Canister Size: 1 liter
Flow Controller ID: 4072
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	2.4	0.25	0.071		16	1.7	0.48	5	8/4/15 2:50	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/4/15 2:50	TPH
Toluene	4.4	0.25	0.078		17	0.94	0.29	5	8/4/15 2:50	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/4/15 2:50	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/4/15 2:50	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/4/15 2:50	TPH
Trichloroethylene	140	0.25	0.074		750	1.3	0.40	5	8/4/15 2:50	TPH
Trichlorofluoromethane (Freon 11)	0.37	1.0	0.087	J	2.1	5.6	0.49	5	8/4/15 2:50	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.2	1.0	0.070	L-05	39	7.7	0.54	5	8/4/15 2:50	TPH
1,2,4-Trimethylbenzene	3.9	0.25	0.062		19	1.2	0.30	5	8/4/15 2:50	TPH
1,3,5-Trimethylbenzene	0.70	0.25	0.050		3.5	1.2	0.25	5	8/4/15 2:50	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/4/15 2:50	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/4/15 2:50	TPH
m&p-Xylene	3.9	0.50	0.13		17	2.2	0.55	5	8/4/15 2:50	TPH
o-Xylene	1.5	0.25	0.072		6.7	1.1	0.31	5	8/4/15 2:50	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	7/30/15 22:43
4-Bromofluorobenzene (1)	101	70-130	8/4/15 2:50

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-7
Sample ID: 15G0861-07
Sample Matrix: Soil Gas
Sampled: 7/14/2015 17:03

Sample Description/Location:
Sub Description/Location:
Canister ID: 1426
Canister Size: 1 liter
Flow Controller ID: 4066
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -25
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	130	80	28		310	190	66	40	7/29/15 1:10	TPH
Benzene	1.0	2.0	1.0	J	3.3	6.4	3.3	40	7/29/15 1:10	TPH
Benzyl chloride	ND	2.0	0.39		ND	10	2.0	40	7/29/15 1:10	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/29/15 1:10	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/29/15 1:10	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/29/15 1:10	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/29/15 1:10	TPH
2-Butanone (MEK)	16	80	1.5	J	47	240	4.4	40	7/29/15 1:10	TPH
Carbon Disulfide	ND	20	0.69		ND	62	2.1	40	7/29/15 1:10	TPH
Carbon Tetrachloride	ND	2.0	0.48		ND	13	3.0	40	7/29/15 1:10	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 1:10	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/29/15 1:10	TPH
Chloroform	ND	2.0	0.47		ND	9.8	2.3	40	7/29/15 1:10	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/29/15 1:10	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/29/15 1:10	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/29/15 1:10	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/29/15 1:10	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/29/15 1:10	TPH
1,3-Dichlorobenzene	27	2.0	0.44		160	12	2.7	40	7/29/15 1:10	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	7/29/15 1:10	TPH
Dichlorodifluoromethane (Freon 12)	14	2.0	0.87		69	9.9	4.3	40	7/29/15 1:10	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 1:10	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 1:10	TPH
1,1-Dichloroethylene	ND	2.0	0.49		ND	7.9	1.9	40	7/29/15 1:10	TPH
cis-1,2-Dichloroethylene	ND	2.0	0.76		ND	7.9	3.0	40	7/29/15 1:10	TPH
trans-1,2-Dichloroethylene	ND	2.0	0.53		ND	7.9	2.1	40	7/29/15 1:10	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 1:10	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/29/15 1:10	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/29/15 1:10	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/29/15 1:10	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/29/15 1:10	TPH
Ethanol	870	80	36	V-06	1600	150	67	40	7/29/15 1:10	TPH
Ethyl Acetate	ND	2.0	1.5		ND	7.2	5.4	40	7/29/15 1:10	TPH
Ethylbenzene	2.7	2.0	0.55		12	8.7	2.4	40	7/29/15 1:10	TPH
4-Ethyltoluene	1.3	2.0	0.45	J	6.3	9.8	2.2	40	7/29/15 1:10	TPH
Heptane	ND	2.0	0.65		ND	8.2	2.7	40	7/29/15 1:10	TPH
Hexachlorobutadiene	ND	2.0	0.75		ND	21	8.0	40	7/29/15 1:10	TPH
Hexane	ND	80	3.5		ND	280	12	40	7/29/15 1:10	TPH
2-Hexanone (MBK)	1.7	2.0	0.51	J	7.0	8.2	2.1	40	7/29/15 1:10	TPH
Isopropanol	5000	160	4.9		12000	390	12	80	7/30/15 23:19	TPH
Methyl tert-Butyl Ether (MTBE)	3.0	2.0	0.62		11	7.2	2.2	40	7/29/15 1:10	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/29/15 1:10	TPH
4-Methyl-2-pentanone (MIBK)	3.7	2.0	0.48		15	8.2	2.0	40	7/29/15 1:10	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	7/29/15 1:10	TPH
Propene	ND	80	6.1		ND	140	11	40	7/29/15 1:10	TPH
Styrene	0.44	2.0	0.39	J	1.9	8.5	1.7	40	7/29/15 1:10	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/29/15 1:10	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-7
Sample ID: 15G0861-07
Sample Matrix: Soil Gas
Sampled: 7/14/2015 17:03

Sample Description/Location:
Sub Description/Location:
Canister ID: 1426
Canister Size: 1 liter
Flow Controller ID: 4066
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -25
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	15	2.0	0.57		100	14	3.9	40	7/29/15 1:10	TPH
Tetrahydrofuran	ND	2.0	0.84		ND	5.9	2.5	40	7/29/15 1:10	TPH
Toluene	9.0	2.0	0.62		34	7.5	2.3	40	7/29/15 1:10	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/29/15 1:10	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/29/15 1:10	TPH
1,1,2-Trichloroethane	ND	2.0	0.61		ND	11	3.3	40	7/29/15 1:10	TPH
Trichloroethylene	1.1	2.0	0.59	J	6.0	11	3.2	40	7/29/15 1:10	TPH
Trichlorofluoromethane (Freon 11)	1.1	8.0	0.70	J	6.3	45	3.9	40	7/29/15 1:10	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	170	8.0	0.56		1300	61	4.3	40	7/29/15 1:10	TPH
1,2,4-Trimethylbenzene	11	2.0	0.49		53	9.8	2.4	40	7/29/15 1:10	TPH
1,3,5-Trimethylbenzene	1.7	2.0	0.40	J	8.3	9.8	2.0	40	7/29/15 1:10	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/29/15 1:10	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/29/15 1:10	TPH
m&p-Xylene	11	4.0	1.0		46	17	4.4	40	7/29/15 1:10	TPH
o-Xylene	4.0	2.0	0.58		17	8.7	2.5	40	7/29/15 1:10	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	7/30/15 23:19
4-Bromofluorobenzene (1)	112	70-130	7/29/15 1:10

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-6
Sample ID: 15G0861-08
Sample Matrix: Soil Gas
Sampled: 7/15/2015 09:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 1550
Canister Size: 1 liter
Flow Controller ID: 4067
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	540	80	28		1300	190	66	40	7/29/15 1:44	TPH
Benzene	ND	2.0	1.0		ND	6.4	3.3	40	7/29/15 1:44	TPH
Benzyl chloride	ND	2.0	0.39		ND	10	2.0	40	7/29/15 1:44	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/29/15 1:44	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/29/15 1:44	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/29/15 1:44	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/29/15 1:44	TPH
2-Butanone (MEK)	31	80	1.5	J	90	240	4.4	40	7/29/15 1:44	TPH
Carbon Disulfide	ND	20	0.69		ND	62	2.1	40	7/29/15 1:44	TPH
Carbon Tetrachloride	ND	2.0	0.48		ND	13	3.0	40	7/29/15 1:44	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 1:44	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/29/15 1:44	TPH
Chloroform	ND	2.0	0.47		ND	9.8	2.3	40	7/29/15 1:44	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/29/15 1:44	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/29/15 1:44	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/29/15 1:44	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/29/15 1:44	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/29/15 1:44	TPH
1,3-Dichlorobenzene	4.6	2.0	0.44		28	12	2.7	40	7/29/15 1:44	TPH
1,4-Dichlorobenzene	4.7	2.0	0.50		28	12	3.0	40	7/29/15 1:44	TPH
Dichlorodifluoromethane (Freon 12)	21	2.0	0.87		100	9.9	4.3	40	7/29/15 1:44	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 1:44	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 1:44	TPH
1,1-Dichloroethylene	ND	2.0	0.49		ND	7.9	1.9	40	7/29/15 1:44	TPH
cis-1,2-Dichloroethylene	ND	2.0	0.76		ND	7.9	3.0	40	7/29/15 1:44	TPH
trans-1,2-Dichloroethylene	ND	2.0	0.53		ND	7.9	2.1	40	7/29/15 1:44	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 1:44	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/29/15 1:44	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/29/15 1:44	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/29/15 1:44	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/29/15 1:44	TPH
Ethanol	840	80	36	V-06	1600	150	67	40	7/29/15 1:44	TPH
Ethyl Acetate	ND	2.0	1.5		ND	7.2	5.4	40	7/29/15 1:44	TPH
Ethylbenzene	0.64	2.0	0.55	J	2.8	8.7	2.4	40	7/29/15 1:44	TPH
4-Ethyltoluene	0.60	2.0	0.45	J	2.9	9.8	2.2	40	7/29/15 1:44	TPH
Heptane	ND	2.0	0.65		ND	8.2	2.7	40	7/29/15 1:44	TPH
Hexachlorobutadiene	ND	2.0	0.75		ND	21	8.0	40	7/29/15 1:44	TPH
Hexane	ND	80	3.5		ND	280	12	40	7/29/15 1:44	TPH
2-Hexanone (MBK)	2.4	2.0	0.51		9.8	8.2	2.1	40	7/29/15 1:44	TPH
Isopropanol	870	80	2.5		2100	200	6.0	40	7/29/15 1:44	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.62		ND	7.2	2.2	40	7/29/15 1:44	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/29/15 1:44	TPH
4-Methyl-2-pentanone (MIBK)	2.6	2.0	0.48		11	8.2	2.0	40	7/29/15 1:44	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	7/29/15 1:44	TPH
Propene	7.0	80	6.1	J	12	140	11	40	7/29/15 1:44	TPH
Styrene	ND	2.0	0.39		ND	8.5	1.7	40	7/29/15 1:44	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/29/15 1:44	TPH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-6
Sample ID: 15G0861-08
Sample Matrix: Soil Gas
Sampled: 7/15/2015 09:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 1550
Canister Size: 1 liter
Flow Controller ID: 4067
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	47	2.0	0.57		320	14	3.9	40	7/29/15 1:44	TPH
Tetrahydrofuran	ND	2.0	0.84		ND	5.9	2.5	40	7/29/15 1:44	TPH
Toluene	ND	2.0	0.62		ND	7.5	2.3	40	7/29/15 1:44	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/29/15 1:44	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/29/15 1:44	TPH
1,1,2-Trichloroethane	ND	2.0	0.61		ND	11	3.3	40	7/29/15 1:44	TPH
Trichloroethylene	0.64	2.0	0.59	J	3.4	11	3.2	40	7/29/15 1:44	TPH
Trichlorofluoromethane (Freon 11)	1.3	8.0	0.70	J	7.2	45	3.9	40	7/29/15 1:44	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	140	8.0	0.56		1000	61	4.3	40	7/29/15 1:44	TPH
1,2,4-Trimethylbenzene	4.6	2.0	0.49		22	9.8	2.4	40	7/29/15 1:44	TPH
1,3,5-Trimethylbenzene	0.48	2.0	0.40	J	2.4	9.8	2.0	40	7/29/15 1:44	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/29/15 1:44	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/29/15 1:44	TPH
m&p-Xylene	2.2	4.0	1.0	J	9.7	17	4.4	40	7/29/15 1:44	TPH
o-Xylene	1.2	2.0	0.58	J	5.0	8.7	2.5	40	7/29/15 1:44	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	111	70-130	7/29/15 1:44

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-5
Sample ID: 15G0861-09
Sample Matrix: Soil Gas
Sampled: 7/15/2015 10:10

Sample Description/Location:
Sub Description/Location:
Canister ID: 1407
Canister Size: 1 liter
Flow Controller ID: 4091
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	ND	10	3.5		ND	24	8.2	5	7/31/15 23:24	TPH
Benzene	ND	0.25	0.13		ND	0.80	0.41	5	7/31/15 23:24	TPH
Benzyl chloride	ND	0.25	0.048	L-03	ND	1.3	0.25	5	7/31/15 23:24	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	7/31/15 23:24	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	7/31/15 23:24	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	7/31/15 23:24	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	7/31/15 23:24	TPH
2-Butanone (MEK)	2.7	10	0.19	J	8.1	29	0.55	5	7/31/15 23:24	TPH
Carbon Disulfide	ND	2.5	0.086		ND	7.8	0.27	5	7/31/15 23:24	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	7/31/15 23:24	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	7/31/15 23:24	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	7/31/15 23:24	TPH
Chloroform	ND	0.25	0.058		ND	1.2	0.29	5	7/31/15 23:24	TPH
Chloromethane	0.41	0.50	0.11	J	0.85	1.0	0.23	5	7/31/15 23:24	TPH
Cyclohexane	ND	0.25	0.14	L-03	ND	0.86	0.49	5	7/31/15 23:24	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	7/31/15 23:24	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	7/31/15 23:24	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	7/31/15 23:24	TPH
1,3-Dichlorobenzene	5.6	0.25	0.056		34	1.5	0.33	5	7/31/15 23:24	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	7/31/15 23:24	TPH
Dichlorodifluoromethane (Freon 12)	99	0.25	0.11		490	1.2	0.54	5	7/31/15 23:24	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	7/31/15 23:24	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	7/31/15 23:24	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	7/31/15 23:24	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	7/31/15 23:24	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	7/31/15 23:24	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	7/31/15 23:24	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	7/31/15 23:24	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	7/31/15 23:24	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	7/31/15 23:24	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	7/31/15 23:24	TPH
Ethanol	170	10	4.5	L-05, V-06	330	19	8.4	5	7/31/15 23:24	TPH
Ethyl Acetate	7.1	0.25	0.19		26	0.90	0.67	5	7/31/15 23:24	TPH
Ethylbenzene	0.18	0.25	0.069	J	0.76	1.1	0.30	5	7/31/15 23:24	TPH
4-Ethyltoluene	0.18	0.25	0.056	J	0.88	1.2	0.28	5	7/31/15 23:24	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	7/31/15 23:24	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	7/31/15 23:24	TPH
Hexane	ND	10	0.44		ND	35	1.6	5	7/31/15 23:24	TPH
2-Hexanone (MBK)	0.34	0.25	0.064		1.4	1.0	0.26	5	7/31/15 23:24	TPH
Isopropanol	24	10	0.31		58	25	0.75	5	7/31/15 23:24	TPH
Methyl tert-Butyl Ether (MTBE)	0.18	0.25	0.077	J	0.65	0.90	0.28	5	7/31/15 23:24	TPH
Methylene Chloride	ND	2.5	0.30		ND	8.7	1.1	5	7/31/15 23:24	TPH
4-Methyl-2-pentanone (MIBK)	0.47	0.25	0.060		1.9	1.0	0.25	5	7/31/15 23:24	TPH
Naphthalene	0.33	0.25	0.14		1.7	1.3	0.71	5	7/31/15 23:24	TPH
Propene	2.6	10	0.76	J	4.4	17	1.3	5	7/31/15 23:24	TPH
Styrene	0.19	0.25	0.048	J	0.81	1.1	0.21	5	7/31/15 23:24	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	7/31/15 23:24	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-5
Sample ID: 15G0861-09
Sample Matrix: Soil Gas
Sampled: 7/15/2015 10:10

Sample Description/Location:
Sub Description/Location:
Canister ID: 1407
Canister Size: 1 liter
Flow Controller ID: 4091
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	5.7	0.25	0.071		39	1.7	0.48	5	7/31/15 23:24	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	7/31/15 23:24	TPH
Toluene	0.70	0.25	0.078		2.6	0.94	0.29	5	7/31/15 23:24	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	7/31/15 23:24	TPH
1,1,1-Trichloroethane	0.24	0.25	0.045	J	1.3	1.4	0.25	5	7/31/15 23:24	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	7/31/15 23:24	TPH
Trichloroethylene	0.29	0.25	0.074		1.6	1.3	0.40	5	7/31/15 23:24	TPH
Trichlorofluoromethane (Freon 11)	2.1	1.0	0.087	L-05, V-06	12	5.6	0.49	5	7/31/15 23:24	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	380	8.0	0.56		2900	61	4.3	40	7/29/15 2:19	TPH
1,2,4-Trimethylbenzene	1.9	0.25	0.062		9.1	1.2	0.30	5	7/31/15 23:24	TPH
1,3,5-Trimethylbenzene	0.25	0.25	0.050		1.2	1.2	0.25	5	7/31/15 23:24	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	7/31/15 23:24	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	7/31/15 23:24	TPH
m&p-Xylene	0.60	0.50	0.13		2.6	2.2	0.55	5	7/31/15 23:24	TPH
o-Xylene	0.34	0.25	0.072		1.5	1.1	0.31	5	7/31/15 23:24	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	111	70-130	7/31/15 23:24
4-Bromofluorobenzene (1)	112	70-130	7/29/15 2:19

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-4
Sample ID: 15G0861-10
Sample Matrix: Soil Gas
Sampled: 7/15/2015 10:32

Sample Description/Location:
Sub Description/Location:
Canister ID: 1538
Canister Size: 1 liter
Flow Controller ID: 4090
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	120	80	28		280	190	66	40	7/29/15 2:54	TPH
Benzene	2.8	2.0	1.0		8.9	6.4	3.3	40	7/29/15 2:54	TPH
Benzyl chloride	ND	2.0	0.39		ND	10	2.0	40	7/29/15 2:54	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/29/15 2:54	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/29/15 2:54	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/29/15 2:54	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/29/15 2:54	TPH
2-Butanone (MEK)	7.8	80	1.5	J	23	240	4.4	40	7/29/15 2:54	TPH
Carbon Disulfide	ND	20	0.69		ND	62	2.1	40	7/29/15 2:54	TPH
Carbon Tetrachloride	ND	2.0	0.48		ND	13	3.0	40	7/29/15 2:54	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 2:54	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/29/15 2:54	TPH
Chloroform	620	2.0	0.47		3000	9.8	2.3	40	7/29/15 2:54	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/29/15 2:54	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/29/15 2:54	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/29/15 2:54	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/29/15 2:54	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/29/15 2:54	TPH
1,3-Dichlorobenzene	8.0	2.0	0.44		48	12	2.7	40	7/29/15 2:54	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	7/29/15 2:54	TPH
Dichlorodifluoromethane (Freon 12)	1700	2.0	0.87		8200	9.9	4.3	40	7/29/15 2:54	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 2:54	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 2:54	TPH
1,1-Dichloroethylene	ND	2.0	0.49		ND	7.9	1.9	40	7/29/15 2:54	TPH
cis-1,2-Dichloroethylene	ND	2.0	0.76		ND	7.9	3.0	40	7/29/15 2:54	TPH
trans-1,2-Dichloroethylene	1.4	2.0	0.53	J	5.4	7.9	2.1	40	7/29/15 2:54	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 2:54	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/29/15 2:54	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/29/15 2:54	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/29/15 2:54	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/29/15 2:54	TPH
Ethanol	590	80	36	V-06	1100	150	67	40	7/29/15 2:54	TPH
Ethyl Acetate	ND	2.0	1.5		ND	7.2	5.4	40	7/29/15 2:54	TPH
Ethylbenzene	ND	2.0	0.55		ND	8.7	2.4	40	7/29/15 2:54	TPH
4-Ethyltoluene	ND	2.0	0.45		ND	9.8	2.2	40	7/29/15 2:54	TPH
Heptane	ND	2.0	0.65		ND	8.2	2.7	40	7/29/15 2:54	TPH
Hexachlorobutadiene	ND	2.0	0.75		ND	21	8.0	40	7/29/15 2:54	TPH
Hexane	ND	80	3.5		ND	280	12	40	7/29/15 2:54	TPH
2-Hexanone (MBK)	ND	2.0	0.51		ND	8.2	2.1	40	7/29/15 2:54	TPH
Isopropanol	240	80	2.5		600	200	6.0	40	7/29/15 2:54	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.62		ND	7.2	2.2	40	7/29/15 2:54	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/29/15 2:54	TPH
4-Methyl-2-pentanone (MIBK)	2.2	2.0	0.48		8.8	8.2	2.0	40	7/29/15 2:54	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	7/29/15 2:54	TPH
Propene	ND	80	6.1		ND	140	11	40	7/29/15 2:54	TPH
Styrene	ND	2.0	0.39		ND	8.5	1.7	40	7/29/15 2:54	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/29/15 2:54	TPH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-4
Sample ID: 15G0861-10
Sample Matrix: Soil Gas
Sampled: 7/15/2015 10:32

Sample Description/Location:
Sub Description/Location:
Canister ID: 1538
Canister Size: 1 liter
Flow Controller ID: 4090
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	12	2.0	0.57		83	14	3.9	40	7/29/15 2:54	TPH
Tetrahydrofuran	ND	2.0	0.84		ND	5.9	2.5	40	7/29/15 2:54	TPH
Toluene	1.3	2.0	0.62	J	4.8	7.5	2.3	40	7/29/15 2:54	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/29/15 2:54	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/29/15 2:54	TPH
1,1,2-Trichloroethane	ND	2.0	0.61		ND	11	3.3	40	7/29/15 2:54	TPH
Trichloroethylene	6500	20	5.9		35000	110	32	400	7/31/15 1:48	TPH
Trichlorofluoromethane (Freon 11)	2.2	8.0	0.70	J	12	45	3.9	40	7/29/15 2:54	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	210	8.0	0.56		1600	61	4.3	40	7/29/15 2:54	TPH
1,2,4-Trimethylbenzene	3.8	2.0	0.49		19	9.8	2.4	40	7/29/15 2:54	TPH
1,3,5-Trimethylbenzene	0.60	2.0	0.40	J	2.9	9.8	2.0	40	7/29/15 2:54	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/29/15 2:54	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/29/15 2:54	TPH
m&p-Xylene	1.3	4.0	1.0	J	5.6	17	4.4	40	7/29/15 2:54	TPH
o-Xylene	ND	2.0	0.58		ND	8.7	2.5	40	7/29/15 2:54	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	112	70-130	7/29/15 2:54
4-Bromofluorobenzene (1)	113	70-130	7/31/15 1:48

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-3
Sample ID: 15G0861-11
Sample Matrix: Soil Gas
Sampled: 7/15/2015 10:48

Sample Description/Location:
Sub Description/Location:
Canister ID: 1540
Canister Size: 1 liter
Flow Controller ID: 4290
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	200	10	3.5	L-05, V-06	480	24	8.2	5	8/4/15 4:09	TPH
Benzene	ND	0.25	0.13		ND	0.80	0.41	5	8/4/15 4:09	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/4/15 4:09	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/4/15 4:09	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/4/15 4:09	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/4/15 4:09	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/4/15 4:09	TPH
2-Butanone (MEK)	7.2	10	0.19	J	21	29	0.55	5	8/4/15 4:09	TPH
Carbon Disulfide	ND	2.5	0.086		ND	7.8	0.27	5	8/4/15 4:09	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/4/15 4:09	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/4/15 4:09	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/4/15 4:09	TPH
Chloroform	3.1	0.25	0.058		15	1.2	0.29	5	8/4/15 4:09	TPH
Chloromethane	0.24	0.50	0.11	J	0.50	1.0	0.23	5	8/4/15 4:09	TPH
Cyclohexane	0.92	0.25	0.14		3.1	0.86	0.49	5	8/4/15 4:09	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/4/15 4:09	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/4/15 4:09	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/4/15 4:09	TPH
1,3-Dichlorobenzene	5.7	0.25	0.056		35	1.5	0.33	5	8/4/15 4:09	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/4/15 4:09	TPH
Dichlorodifluoromethane (Freon 12)	1900	2.0	0.87		9400	9.9	4.3	40	7/29/15 3:29	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/4/15 4:09	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/4/15 4:09	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/4/15 4:09	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/4/15 4:09	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/4/15 4:09	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/4/15 4:09	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/4/15 4:09	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/4/15 4:09	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/4/15 4:09	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/4/15 4:09	TPH
Ethanol	550	80	36	V-06	1000	150	67	40	7/29/15 3:29	TPH
Ethyl Acetate	4.7	0.25	0.19		17	0.90	0.67	5	8/4/15 4:09	TPH
Ethylbenzene	0.75	0.25	0.069		3.3	1.1	0.30	5	8/4/15 4:09	TPH
4-Ethyltoluene	1.2	0.25	0.056		5.8	1.2	0.28	5	8/4/15 4:09	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/4/15 4:09	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/4/15 4:09	TPH
Hexane	0.52	10	0.44	J	1.8	35	1.6	5	8/4/15 4:09	TPH
2-Hexanone (MBK)	1.4	0.25	0.064		5.9	1.0	0.26	5	8/4/15 4:09	TPH
Isopropanol	210	80	2.5		520	200	6.0	40	7/29/15 3:29	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.25	0.077		ND	0.90	0.28	5	8/4/15 4:09	TPH
Methylene Chloride	0.38	2.5	0.30	J	1.3	8.7	1.1	5	8/4/15 4:09	TPH
4-Methyl-2-pentanone (MIBK)	1.9	0.25	0.060		7.8	1.0	0.25	5	8/4/15 4:09	TPH
Naphthalene	0.87	0.25	0.14		4.6	1.3	0.71	5	8/4/15 4:09	TPH
Propene	2.9	10	0.76	J	5.0	17	1.3	5	8/4/15 4:09	TPH
Styrene	0.38	0.25	0.048		1.6	1.1	0.21	5	8/4/15 4:09	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/4/15 4:09	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-3
Sample ID: 15G0861-11
Sample Matrix: Soil Gas
Sampled: 7/15/2015 10:48

Sample Description/Location:
Sub Description/Location:
Canister ID: 1540
Canister Size: 1 liter
Flow Controller ID: 4290
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1.7	0.25	0.071		12	1.7	0.48	5	8/4/15 4:09	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/4/15 4:09	TPH
Toluene	1.7	0.25	0.078		6.5	0.94	0.29	5	8/4/15 4:09	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/4/15 4:09	TPH
1,1,1-Trichloroethane	0.95	0.25	0.045		5.2	1.4	0.25	5	8/4/15 4:09	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/4/15 4:09	TPH
Trichloroethylene	500	2.0	0.59		2700	11	3.2	40	7/29/15 3:29	TPH
Trichlorofluoromethane (Freon 11)	2.6	1.0	0.087		14	5.6	0.49	5	8/4/15 4:09	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	120	1.0	0.070	L-05	880	7.7	0.54	5	8/4/15 4:09	TPH
1,2,4-Trimethylbenzene	7.7	0.25	0.062		38	1.2	0.30	5	8/4/15 4:09	TPH
1,3,5-Trimethylbenzene	2.1	0.25	0.050		10	1.2	0.25	5	8/4/15 4:09	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/4/15 4:09	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/4/15 4:09	TPH
m&p-Xylene	3.1	0.50	0.13		13	2.2	0.55	5	8/4/15 4:09	TPH
o-Xylene	1.6	0.25	0.072		6.9	1.1	0.31	5	8/4/15 4:09	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	111	70-130	7/29/15 3:29
4-Bromofluorobenzene (1)	101	70-130	8/4/15 4:09

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-2
Sample ID: 15G0861-12
Sample Matrix: Soil Gas
Sampled: 7/15/2015 11:17

Sample Description/Location:
Sub Description/Location:
Canister ID: 1417
Canister Size: 1 liter
Flow Controller ID: 4199
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	450	80	28		1100	190	66	40	7/29/15 4:04	TPH
Benzene	2.1	2.0	1.0		6.6	6.4	3.3	40	7/29/15 4:04	TPH
Benzyl chloride	ND	2.0	0.39		ND	10	2.0	40	7/29/15 4:04	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/29/15 4:04	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/29/15 4:04	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/29/15 4:04	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/29/15 4:04	TPH
2-Butanone (MEK)	4.4	80	1.5	J	13	240	4.4	40	7/29/15 4:04	TPH
Carbon Disulfide	ND	20	0.69		ND	62	2.1	40	7/29/15 4:04	TPH
Carbon Tetrachloride	ND	2.0	0.48		ND	13	3.0	40	7/29/15 4:04	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 4:04	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/29/15 4:04	TPH
Chloroform	45	2.0	0.47		220	9.8	2.3	40	7/29/15 4:04	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/29/15 4:04	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/29/15 4:04	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/29/15 4:04	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/29/15 4:04	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/29/15 4:04	TPH
1,3-Dichlorobenzene	5.0	2.0	0.44		30	12	2.7	40	7/29/15 4:04	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	7/29/15 4:04	TPH
Dichlorodifluoromethane (Freon 12)	6200	20	8.7		31000	99	43	400	7/31/15 2:28	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 4:04	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 4:04	TPH
1,1-Dichloroethylene	ND	2.0	0.49		ND	7.9	1.9	40	7/29/15 4:04	TPH
cis-1,2-Dichloroethylene	2.0	2.0	0.76		8.1	7.9	3.0	40	7/29/15 4:04	TPH
trans-1,2-Dichloroethylene	2.2	2.0	0.53		8.9	7.9	2.1	40	7/29/15 4:04	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 4:04	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/29/15 4:04	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/29/15 4:04	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/29/15 4:04	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/29/15 4:04	TPH
Ethanol	330	80	36	V-06	630	150	67	40	7/29/15 4:04	TPH
Ethyl Acetate	4.7	2.0	1.5	V-06	17	7.2	5.4	40	7/29/15 4:04	TPH
Ethylbenzene	580	2.0	0.55		2500	8.7	2.4	40	7/29/15 4:04	TPH
4-Ethyltoluene	31	2.0	0.45		150	9.8	2.2	40	7/29/15 4:04	TPH
Heptane	ND	2.0	0.65		ND	8.2	2.7	40	7/29/15 4:04	TPH
Hexachlorobutadiene	ND	2.0	0.75		ND	21	8.0	40	7/29/15 4:04	TPH
Hexane	ND	80	3.5		ND	280	12	40	7/29/15 4:04	TPH
2-Hexanone (MBK)	1.1	2.0	0.51	J	4.6	8.2	2.1	40	7/29/15 4:04	TPH
Isopropanol	820	80	2.5		2000	200	6.0	40	7/29/15 4:04	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.62		ND	7.2	2.2	40	7/29/15 4:04	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/29/15 4:04	TPH
4-Methyl-2-pentanone (MIBK)	19	2.0	0.48		79	8.2	2.0	40	7/29/15 4:04	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	7/29/15 4:04	TPH
Propene	ND	80	6.1		ND	140	11	40	7/29/15 4:04	TPH
Styrene	0.92	2.0	0.39	J	3.9	8.5	1.7	40	7/29/15 4:04	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/29/15 4:04	TPH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-2
Sample ID: 15G0861-12
Sample Matrix: Soil Gas
Sampled: 7/15/2015 11:17

Sample Description/Location:
Sub Description/Location:
Canister ID: 1417
Canister Size: 1 liter
Flow Controller ID: 4199
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	5.5	2.0	0.57		37	14	3.9	40	7/29/15 4:04	TPH
Tetrahydrofuran	24	2.0	0.84		70	5.9	2.5	40	7/29/15 4:04	TPH
Toluene	33	2.0	0.62		120	7.5	2.3	40	7/29/15 4:04	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/29/15 4:04	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/29/15 4:04	TPH
1,1,2-Trichloroethane	ND	2.0	0.61		ND	11	3.3	40	7/29/15 4:04	TPH
Trichloroethylene	10000	20	5.9		54000	110	32	400	7/31/15 2:28	TPH
Trichlorofluoromethane (Freon 11)	7.5	8.0	0.70	J	42	45	3.9	40	7/29/15 4:04	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	65	8.0	0.56		500	61	4.3	40	7/29/15 4:04	TPH
1,2,4-Trimethylbenzene	160	2.0	0.49		790	9.8	2.4	40	7/29/15 4:04	TPH
1,3,5-Trimethylbenzene	70	2.0	0.40		340	9.8	2.0	40	7/29/15 4:04	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/29/15 4:04	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/29/15 4:04	TPH
m&p-Xylene	1500	4.0	1.0		6400	17	4.4	40	7/29/15 4:04	TPH
o-Xylene	750	2.0	0.58		3300	8.7	2.5	40	7/29/15 4:04	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	7/29/15 4:04
4-Bromofluorobenzene (1)	117	70-130	7/31/15 2:28

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-1
Sample ID: 15G0861-13
Sample Matrix: Soil Gas
Sampled: 7/15/2015 11:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 1890
Canister Size: 1 liter
Flow Controller ID: 4075
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	450	80	28		1100	190	66	40	7/29/15 4:39	TPH
Benzene	ND	2.0	1.0		ND	6.4	3.3	40	7/29/15 4:39	TPH
Benzyl chloride	ND	2.0	0.39		ND	10	2.0	40	7/29/15 4:39	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/29/15 4:39	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/29/15 4:39	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/29/15 4:39	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/29/15 4:39	TPH
2-Butanone (MEK)	12	80	1.5	J	37	240	4.4	40	7/29/15 4:39	TPH
Carbon Disulfide	ND	20	0.69		ND	62	2.1	40	7/29/15 4:39	TPH
Carbon Tetrachloride	ND	2.0	0.48		ND	13	3.0	40	7/29/15 4:39	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 4:39	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/29/15 4:39	TPH
Chloroform	0.60	2.0	0.47	J	2.9	9.8	2.3	40	7/29/15 4:39	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/29/15 4:39	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/29/15 4:39	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/29/15 4:39	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/29/15 4:39	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/29/15 4:39	TPH
1,3-Dichlorobenzene	6.4	2.0	0.44		38	12	2.7	40	7/29/15 4:39	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	7/29/15 4:39	TPH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.87		ND	9.9	4.3	40	7/29/15 4:39	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 4:39	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 4:39	TPH
1,1-Dichloroethylene	ND	2.0	0.49		ND	7.9	1.9	40	7/29/15 4:39	TPH
cis-1,2-Dichloroethylene	ND	2.0	0.76		ND	7.9	3.0	40	7/29/15 4:39	TPH
trans-1,2-Dichloroethylene	ND	2.0	0.53		ND	7.9	2.1	40	7/29/15 4:39	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 4:39	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/29/15 4:39	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/29/15 4:39	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/29/15 4:39	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/29/15 4:39	TPH
Ethanol	780	80	36	V-06	1500	150	67	40	7/29/15 4:39	TPH
Ethyl Acetate	ND	2.0	1.5		ND	7.2	5.4	40	7/29/15 4:39	TPH
Ethylbenzene	360	2.0	0.55		1600	8.7	2.4	40	7/29/15 4:39	TPH
4-Ethyltoluene	20	2.0	0.45		97	9.8	2.2	40	7/29/15 4:39	TPH
Heptane	ND	2.0	0.65		ND	8.2	2.7	40	7/29/15 4:39	TPH
Hexachlorobutadiene	ND	2.0	0.75		ND	21	8.0	40	7/29/15 4:39	TPH
Hexane	ND	80	3.5		ND	280	12	40	7/29/15 4:39	TPH
2-Hexanone (MBK)	0.80	2.0	0.51	J	3.3	8.2	2.1	40	7/29/15 4:39	TPH
Isopropanol	420	80	2.5		1000	200	6.0	40	7/29/15 4:39	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.62		ND	7.2	2.2	40	7/29/15 4:39	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/29/15 4:39	TPH
4-Methyl-2-pentanone (MIBK)	17	2.0	0.48		71	8.2	2.0	40	7/29/15 4:39	TPH
Naphthalene	4.8	2.0	1.1		25	10	5.7	40	7/29/15 4:39	TPH
Propene	7.7	80	6.1	J	13	140	11	40	7/29/15 4:39	TPH
Styrene	ND	2.0	0.39		ND	8.5	1.7	40	7/29/15 4:39	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/29/15 4:39	TPH

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-1
Sample ID: 15G0861-13
Sample Matrix: Soil Gas
Sampled: 7/15/2015 11:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 1890
Canister Size: 1 liter
Flow Controller ID: 4075
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	3.7	2.0	0.57		25	14	3.9	40	7/29/15 4:39	TPH
Tetrahydrofuran	ND	2.0	0.84		ND	5.9	2.5	40	7/29/15 4:39	TPH
Toluene	6.1	2.0	0.62		23	7.5	2.3	40	7/29/15 4:39	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/29/15 4:39	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/29/15 4:39	TPH
1,1,2-Trichloroethane	ND	2.0	0.61		ND	11	3.3	40	7/29/15 4:39	TPH
Trichloroethylene	5.3	2.0	0.59		29	11	3.2	40	7/29/15 4:39	TPH
Trichlorofluoromethane (Freon 11)	2.9	8.0	0.70	J	16	45	3.9	40	7/29/15 4:39	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48	8.0	0.56		360	61	4.3	40	7/29/15 4:39	TPH
1,2,4-Trimethylbenzene	120	2.0	0.49		600	9.8	2.4	40	7/29/15 4:39	TPH
1,3,5-Trimethylbenzene	36	2.0	0.40		180	9.8	2.0	40	7/29/15 4:39	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/29/15 4:39	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/29/15 4:39	TPH
m&p-Xylene	1100	4.0	1.0		4900	17	4.4	40	7/29/15 4:39	TPH
o-Xylene	440	2.0	0.58		1900	8.7	2.5	40	7/29/15 4:39	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	115	70-130	7/29/15 4:39

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-18
Sample ID: 15G0861-14
Sample Matrix: Soil Gas
Sampled: 7/15/2015 12:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1419
Canister Size: 1 liter
Flow Controller ID: 4212
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	40	10	3.5		94	24	8.2	5	8/1/15 0:01	TPH
Benzene	ND	0.25	0.13		ND	0.80	0.41	5	8/1/15 0:01	TPH
Benzyl chloride	ND	0.25	0.048	L-03	ND	1.3	0.25	5	8/1/15 0:01	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/1/15 0:01	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/1/15 0:01	TPH
Bromomethane	0.80	0.25	0.17	L-05, V-06	3.1	0.97	0.67	5	8/1/15 0:01	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/1/15 0:01	TPH
2-Butanone (MEK)	6.3	10	0.19	J	19	29	0.55	5	8/1/15 0:01	TPH
Carbon Disulfide	0.26	2.5	0.086	J	0.81	7.8	0.27	5	8/1/15 0:01	TPH
Carbon Tetrachloride	0.065	0.25	0.060	J	0.41	1.6	0.38	5	8/1/15 0:01	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/1/15 0:01	TPH
Chloroethane	0.76	0.25	0.095		2.0	0.66	0.25	5	8/1/15 0:01	TPH
Chloroform	0.070	0.25	0.058	J	0.34	1.2	0.29	5	8/1/15 0:01	TPH
Chloromethane	4.4	0.50	0.11		9.1	1.0	0.23	5	8/1/15 0:01	TPH
Cyclohexane	1.2	0.25	0.14	L-03	4.2	0.86	0.49	5	8/1/15 0:01	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/1/15 0:01	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/1/15 0:01	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/1/15 0:01	TPH
1,3-Dichlorobenzene	3.5	0.25	0.056		21	1.5	0.33	5	8/1/15 0:01	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/1/15 0:01	TPH
Dichlorodifluoromethane (Freon 12)	0.96	0.25	0.11		4.7	1.2	0.54	5	8/1/15 0:01	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/1/15 0:01	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/1/15 0:01	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/1/15 0:01	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/1/15 0:01	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/1/15 0:01	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/1/15 0:01	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/1/15 0:01	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/1/15 0:01	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/1/15 0:01	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/1/15 0:01	TPH
Ethanol	190	10	4.5	L-05, V-06	360	19	8.4	5	8/1/15 0:01	TPH
Ethyl Acetate	4.5	0.25	0.19		16	0.90	0.67	5	8/1/15 0:01	TPH
Ethylbenzene	1.1	0.25	0.069		4.6	1.1	0.30	5	8/1/15 0:01	TPH
4-Ethyltoluene	0.18	0.25	0.056	J	0.91	1.2	0.28	5	8/1/15 0:01	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/1/15 0:01	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/1/15 0:01	TPH
Hexane	0.51	10	0.44	J	1.8	35	1.6	5	8/1/15 0:01	TPH
2-Hexanone (MBK)	ND	0.25	0.064		ND	1.0	0.26	5	8/1/15 0:01	TPH
Isopropanol	45	10	0.31		110	25	0.75	5	8/1/15 0:01	TPH
Methyl tert-Butyl Ether (MTBE)	0.33	0.25	0.077		1.2	0.90	0.28	5	8/1/15 0:01	TPH
Methylene Chloride	ND	2.5	0.30		ND	8.7	1.1	5	8/1/15 0:01	TPH
4-Methyl-2-pentanone (MIBK)	0.82	0.25	0.060		3.3	1.0	0.25	5	8/1/15 0:01	TPH
Naphthalene	0.36	0.25	0.14		1.9	1.3	0.71	5	8/1/15 0:01	TPH
Propene	3.3	10	0.76	J	5.7	17	1.3	5	8/1/15 0:01	TPH
Styrene	0.23	0.25	0.048	J	0.98	1.1	0.21	5	8/1/15 0:01	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/1/15 0:01	TPH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-18
Sample ID: 15G0861-14
Sample Matrix: Soil Gas
Sampled: 7/15/2015 12:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1419
Canister Size: 1 liter
Flow Controller ID: 4212
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.090	0.25	0.071	J	0.61	1.7	0.48	5	8/1/15 0:01	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/1/15 0:01	TPH
Toluene	0.84	0.25	0.078		3.2	0.94	0.29	5	8/1/15 0:01	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/1/15 0:01	TPH
1,1,1-Trichloroethane	0.055	0.25	0.045	J	0.30	1.4	0.25	5	8/1/15 0:01	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/1/15 0:01	TPH
Trichloroethylene	0.42	0.25	0.074		2.2	1.3	0.40	5	8/1/15 0:01	TPH
Trichlorofluoromethane (Freon 11)	0.95	1.0	0.087	L-05, V-06, J	5.3	5.6	0.49	5	8/1/15 0:01	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.60	1.0	0.070	V-06, J	4.6	7.7	0.54	5	8/1/15 0:01	TPH
1,2,4-Trimethylbenzene	1.9	0.25	0.062		9.1	1.2	0.30	5	8/1/15 0:01	TPH
1,3,5-Trimethylbenzene	0.34	0.25	0.050		1.6	1.2	0.25	5	8/1/15 0:01	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/1/15 0:01	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/1/15 0:01	TPH
m&p-Xylene	3.6	0.50	0.13		15	2.2	0.55	5	8/1/15 0:01	TPH
o-Xylene	1.7	0.25	0.072		7.4	1.1	0.31	5	8/1/15 0:01	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	8/1/15 0:01

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-17
Sample ID: 15G0861-15
Sample Matrix: Soil Gas
Sampled: 7/15/2015 12:12

Sample Description/Location:
Sub Description/Location:
Canister ID: 1441
Canister Size: 1 liter
Flow Controller ID: 4213
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	53	10	3.5		130	24	8.2	5	8/1/15 0:38	TPH
Benzene	0.24	0.25	0.13	J	0.75	0.80	0.41	5	8/1/15 0:38	TPH
Benzyl chloride	ND	0.25	0.048	L-03	ND	1.3	0.25	5	8/1/15 0:38	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/1/15 0:38	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/1/15 0:38	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/1/15 0:38	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/1/15 0:38	TPH
2-Butanone (MEK)	6.7	10	0.19	J	20	29	0.55	5	8/1/15 0:38	TPH
Carbon Disulfide	0.52	2.5	0.086	J	1.6	7.8	0.27	5	8/1/15 0:38	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/1/15 0:38	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/1/15 0:38	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/1/15 0:38	TPH
Chloroform	0.090	0.25	0.058	J	0.44	1.2	0.29	5	8/1/15 0:38	TPH
Chloromethane	0.48	0.50	0.11	J	0.99	1.0	0.23	5	8/1/15 0:38	TPH
Cyclohexane	1.4	0.25	0.14	L-03	4.9	0.86	0.49	5	8/1/15 0:38	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/1/15 0:38	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/1/15 0:38	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/1/15 0:38	TPH
1,3-Dichlorobenzene	12	0.25	0.056		74	1.5	0.33	5	8/1/15 0:38	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/1/15 0:38	TPH
Dichlorodifluoromethane (Freon 12)	2.0	0.25	0.11		9.8	1.2	0.54	5	8/1/15 0:38	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/1/15 0:38	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/1/15 0:38	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/1/15 0:38	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/1/15 0:38	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/1/15 0:38	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/1/15 0:38	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/1/15 0:38	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/1/15 0:38	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/1/15 0:38	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/1/15 0:38	TPH
Ethanol	180	10	4.5	L-05, V-06	340	19	8.4	5	8/1/15 0:38	TPH
Ethyl Acetate	12	0.25	0.19		44	0.90	0.67	5	8/1/15 0:38	TPH
Ethylbenzene	0.46	0.25	0.069		2.0	1.1	0.30	5	8/1/15 0:38	TPH
4-Ethyltoluene	0.38	0.25	0.056		1.9	1.2	0.28	5	8/1/15 0:38	TPH
Heptane	0.28	0.25	0.081		1.1	1.0	0.33	5	8/1/15 0:38	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/1/15 0:38	TPH
Hexane	5.0	10	0.44	J	18	35	1.6	5	8/1/15 0:38	TPH
2-Hexanone (MBK)	1.4	0.25	0.064		5.6	1.0	0.26	5	8/1/15 0:38	TPH
Isopropanol	57	10	0.31		140	25	0.75	5	8/1/15 0:38	TPH
Methyl tert-Butyl Ether (MTBE)	0.30	0.25	0.077		1.1	0.90	0.28	5	8/1/15 0:38	TPH
Methylene Chloride	ND	2.5	0.30		ND	8.7	1.1	5	8/1/15 0:38	TPH
4-Methyl-2-pentanone (MIBK)	1.3	0.25	0.060		5.3	1.0	0.25	5	8/1/15 0:38	TPH
Naphthalene	0.38	0.25	0.14		2.0	1.3	0.71	5	8/1/15 0:38	TPH
Propene	3.8	10	0.76	J	6.5	17	1.3	5	8/1/15 0:38	TPH
Styrene	0.32	0.25	0.048		1.3	1.1	0.21	5	8/1/15 0:38	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/1/15 0:38	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-17
Sample ID: 15G0861-15
Sample Matrix: Soil Gas
Sampled: 7/15/2015 12:12

Sample Description/Location:
Sub Description/Location:
Canister ID: 1441
Canister Size: 1 liter
Flow Controller ID: 4213
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.24	0.25	0.071	J	1.6	1.7	0.48	5	8/1/15 0:38	TPH
Tetrahydrofuran	0.26	0.25	0.10		0.75	0.74	0.31	5	8/1/15 0:38	TPH
Toluene	2.2	0.25	0.078		8.3	0.94	0.29	5	8/1/15 0:38	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/1/15 0:38	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/1/15 0:38	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/1/15 0:38	TPH
Trichloroethylene	0.46	0.25	0.074		2.5	1.3	0.40	5	8/1/15 0:38	TPH
Trichlorofluoromethane (Freon 11)	0.92	1.0	0.087	L-05, V-06, J	5.1	5.6	0.49	5	8/1/15 0:38	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.82	1.0	0.070	V-06, J	6.3	7.7	0.54	5	8/1/15 0:38	TPH
1,2,4-Trimethylbenzene	2.5	0.25	0.062		12	1.2	0.30	5	8/1/15 0:38	TPH
1,3,5-Trimethylbenzene	0.60	0.25	0.050		2.9	1.2	0.25	5	8/1/15 0:38	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/1/15 0:38	TPH
Vinyl Chloride	0.29	0.25	0.11		0.74	0.64	0.27	5	8/1/15 0:38	TPH
m&p-Xylene	1.9	0.50	0.13		8.1	2.2	0.55	5	8/1/15 0:38	TPH
o-Xylene	0.82	0.25	0.072		3.5	1.1	0.31	5	8/1/15 0:38	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	8/1/15 0:38

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-16
Sample ID: 15G0861-16
Sample Matrix: Soil Gas
Sampled: 7/15/2015 12:27

Sample Description/Location:
Sub Description/Location:
Canister ID: 1559
Canister Size: 1 liter
Flow Controller ID: 4105
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -2.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	28	10	3.5		65	24	8.2	5	8/1/15 1:14	TPH
Benzene	0.28	0.25	0.13		0.88	0.80	0.41	5	8/1/15 1:14	TPH
Benzyl chloride	ND	0.25	0.048	L-03	ND	1.3	0.25	5	8/1/15 1:14	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/1/15 1:14	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/1/15 1:14	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/1/15 1:14	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/1/15 1:14	TPH
2-Butanone (MEK)	3.7	10	0.19	J	11	29	0.55	5	8/1/15 1:14	TPH
Carbon Disulfide	0.28	2.5	0.086	J	0.87	7.8	0.27	5	8/1/15 1:14	TPH
Carbon Tetrachloride	0.080	0.25	0.060	J	0.50	1.6	0.38	5	8/1/15 1:14	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/1/15 1:14	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/1/15 1:14	TPH
Chloroform	ND	0.25	0.058		ND	1.2	0.29	5	8/1/15 1:14	TPH
Chloromethane	0.38	0.50	0.11	J	0.77	1.0	0.23	5	8/1/15 1:14	TPH
Cyclohexane	0.98	0.25	0.14	L-03	3.4	0.86	0.49	5	8/1/15 1:14	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/1/15 1:14	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/1/15 1:14	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/1/15 1:14	TPH
1,3-Dichlorobenzene	15	0.25	0.056		90	1.5	0.33	5	8/1/15 1:14	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/1/15 1:14	TPH
Dichlorodifluoromethane (Freon 12)	2.4	0.25	0.11		12	1.2	0.54	5	8/1/15 1:14	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/1/15 1:14	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/1/15 1:14	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/1/15 1:14	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/1/15 1:14	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/1/15 1:14	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/1/15 1:14	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/1/15 1:14	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/1/15 1:14	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/1/15 1:14	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/1/15 1:14	TPH
Ethanol	120	10	4.5	V-06, L-05	230	19	8.4	5	8/1/15 1:14	TPH
Ethyl Acetate	7.3	0.25	0.19		26	0.90	0.67	5	8/1/15 1:14	TPH
Ethylbenzene	4.3	0.25	0.069		19	1.1	0.30	5	8/1/15 1:14	TPH
4-Ethyltoluene	1.1	0.25	0.056		5.3	1.2	0.28	5	8/1/15 1:14	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/1/15 1:14	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/1/15 1:14	TPH
Hexane	4.2	10	0.44	J	15	35	1.6	5	8/1/15 1:14	TPH
2-Hexanone (MBK)	0.78	0.25	0.064		3.2	1.0	0.26	5	8/1/15 1:14	TPH
Isopropanol	130	10	0.31		310	25	0.75	5	8/1/15 1:14	TPH
Methyl tert-Butyl Ether (MTBE)	0.82	0.25	0.077		2.9	0.90	0.28	5	8/1/15 1:14	TPH
Methylene Chloride	0.38	2.5	0.30	J	1.3	8.7	1.1	5	8/1/15 1:14	TPH
4-Methyl-2-pentanone (MIBK)	1.6	0.25	0.060		6.7	1.0	0.25	5	8/1/15 1:14	TPH
Naphthalene	0.34	0.25	0.14		1.8	1.3	0.71	5	8/1/15 1:14	TPH
Propene	6.3	10	0.76	J	11	17	1.3	5	8/1/15 1:14	TPH
Styrene	0.33	0.25	0.048		1.4	1.1	0.21	5	8/1/15 1:14	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/1/15 1:14	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-16
Sample ID: 15G0861-16
Sample Matrix: Soil Gas
Sampled: 7/15/2015 12:27

Sample Description/Location:
Sub Description/Location:
Canister ID: 1559
Canister Size: 1 liter
Flow Controller ID: 4105
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -2.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.29	0.25	0.071		2.0	1.7	0.48	5	8/1/15 1:14	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/1/15 1:14	TPH
Toluene	1.5	0.25	0.078		5.7	0.94	0.29	5	8/1/15 1:14	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/1/15 1:14	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/1/15 1:14	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/1/15 1:14	TPH
Trichloroethylene	0.22	0.25	0.074	J	1.2	1.3	0.40	5	8/1/15 1:14	TPH
Trichlorofluoromethane (Freon 11)	1.1	1.0	0.087	L-05, V-06	6.3	5.6	0.49	5	8/1/15 1:14	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.6	1.0	0.070	V-06	12	7.7	0.54	5	8/1/15 1:14	TPH
1,2,4-Trimethylbenzene	3.6	0.25	0.062		18	1.2	0.30	5	8/1/15 1:14	TPH
1,3,5-Trimethylbenzene	2.0	0.25	0.050		10	1.2	0.25	5	8/1/15 1:14	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/1/15 1:14	TPH
Vinyl Chloride	0.14	0.25	0.11	J	0.35	0.64	0.27	5	8/1/15 1:14	TPH
m&p-Xylene	21	0.50	0.13		91	2.2	0.55	5	8/1/15 1:14	TPH
o-Xylene	12	0.25	0.072		50	1.1	0.31	5	8/1/15 1:14	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	116	70-130	8/1/15 1:14

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-15
Sample ID: 15G0861-17
Sample Matrix: Soil Gas
Sampled: 7/15/2015 12:42

Sample Description/Location:
Sub Description/Location:
Canister ID: 1431
Canister Size: 1 liter
Flow Controller ID: 4176
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	37	10	3.5		89	24	8.2	5	8/1/15 1:51	TPH
Benzene	0.14	0.25	0.13	J	0.43	0.80	0.41	5	8/1/15 1:51	TPH
Benzyl chloride	ND	0.25	0.048	L-03	ND	1.3	0.25	5	8/1/15 1:51	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/1/15 1:51	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/1/15 1:51	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/1/15 1:51	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/1/15 1:51	TPH
2-Butanone (MEK)	4.5	10	0.19	J	13	29	0.55	5	8/1/15 1:51	TPH
Carbon Disulfide	0.92	2.5	0.086	J	2.9	7.8	0.27	5	8/1/15 1:51	TPH
Carbon Tetrachloride	0.065	0.25	0.060	J	0.41	1.6	0.38	5	8/1/15 1:51	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/1/15 1:51	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/1/15 1:51	TPH
Chloroform	ND	0.25	0.058		ND	1.2	0.29	5	8/1/15 1:51	TPH
Chloromethane	0.28	0.50	0.11	J	0.58	1.0	0.23	5	8/1/15 1:51	TPH
Cyclohexane	1.0	0.25	0.14	L-03	3.5	0.86	0.49	5	8/1/15 1:51	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/1/15 1:51	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/1/15 1:51	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/1/15 1:51	TPH
1,3-Dichlorobenzene	9.4	0.25	0.056		57	1.5	0.33	5	8/1/15 1:51	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/1/15 1:51	TPH
Dichlorodifluoromethane (Freon 12)	3.5	0.25	0.11		17	1.2	0.54	5	8/1/15 1:51	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/1/15 1:51	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/1/15 1:51	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/1/15 1:51	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/1/15 1:51	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/1/15 1:51	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/1/15 1:51	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/1/15 1:51	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/1/15 1:51	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/1/15 1:51	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/1/15 1:51	TPH
Ethanol	140	10	4.5	L-05, V-06	270	19	8.4	5	8/1/15 1:51	TPH
Ethyl Acetate	7.1	0.25	0.19		26	0.90	0.67	5	8/1/15 1:51	TPH
Ethylbenzene	0.48	0.25	0.069		2.1	1.1	0.30	5	8/1/15 1:51	TPH
4-Ethyltoluene	0.58	0.25	0.056		2.9	1.2	0.28	5	8/1/15 1:51	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/1/15 1:51	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/1/15 1:51	TPH
Hexane	0.90	10	0.44	J	3.2	35	1.6	5	8/1/15 1:51	TPH
2-Hexanone (MBK)	0.73	0.25	0.064		3.0	1.0	0.26	5	8/1/15 1:51	TPH
Isopropanol	99	10	0.31		240	25	0.75	5	8/1/15 1:51	TPH
Methyl tert-Butyl Ether (MTBE)	0.50	0.25	0.077		1.8	0.90	0.28	5	8/1/15 1:51	TPH
Methylene Chloride	0.44	2.5	0.30	J	1.5	8.7	1.1	5	8/1/15 1:51	TPH
4-Methyl-2-pentanone (MIBK)	1.4	0.25	0.060		5.6	1.0	0.25	5	8/1/15 1:51	TPH
Naphthalene	0.35	0.25	0.14		1.8	1.3	0.71	5	8/1/15 1:51	TPH
Propene	2.2	10	0.76	J	3.8	17	1.3	5	8/1/15 1:51	TPH
Styrene	0.32	0.25	0.048		1.3	1.1	0.21	5	8/1/15 1:51	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/1/15 1:51	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-15
Sample ID: 15G0861-17
Sample Matrix: Soil Gas
Sampled: 7/15/2015 12:42

Sample Description/Location:
Sub Description/Location:
Canister ID: 1431
Canister Size: 1 liter
Flow Controller ID: 4176
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -4.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	2.8	0.25	0.071		19	1.7	0.48	5	8/1/15 1:51	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/1/15 1:51	TPH
Toluene	0.82	0.25	0.078		3.1	0.94	0.29	5	8/1/15 1:51	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/1/15 1:51	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/1/15 1:51	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/1/15 1:51	TPH
Trichloroethylene	0.50	0.25	0.074		2.7	1.3	0.40	5	8/1/15 1:51	TPH
Trichlorofluoromethane (Freon 11)	1.4	1.0	0.087	L-05, V-06	7.9	5.6	0.49	5	8/1/15 1:51	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	1.0	0.070	V-06, J	3.8	7.7	0.54	5	8/1/15 1:51	TPH
1,2,4-Trimethylbenzene	4.0	0.25	0.062		20	1.2	0.30	5	8/1/15 1:51	TPH
1,3,5-Trimethylbenzene	2.8	0.25	0.050		14	1.2	0.25	5	8/1/15 1:51	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/1/15 1:51	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/1/15 1:51	TPH
m&p-Xylene	2.3	0.50	0.13		9.9	2.2	0.55	5	8/1/15 1:51	TPH
o-Xylene	2.1	0.25	0.072		9.2	1.1	0.31	5	8/1/15 1:51	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	115	70-130	8/1/15 1:51

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-14
Sample ID: 15G0861-18
Sample Matrix: Soil Gas
Sampled: 7/15/2015 12:58

Sample Description/Location:
Sub Description/Location:
Canister ID: 1544
Canister Size: 1 liter
Flow Controller ID: 4286
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	130	10	3.5		300	24	8.2	5	8/1/15 2:28	TPH
Benzene	ND	0.25	0.13		ND	0.80	0.41	5	8/1/15 2:28	TPH
Benzyl chloride	ND	0.25	0.048	L-03	ND	1.3	0.25	5	8/1/15 2:28	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/1/15 2:28	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/1/15 2:28	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/1/15 2:28	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/1/15 2:28	TPH
2-Butanone (MEK)	5.6	10	0.19	J	17	29	0.55	5	8/1/15 2:28	TPH
Carbon Disulfide	0.26	2.5	0.086	J	0.81	7.8	0.27	5	8/1/15 2:28	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/1/15 2:28	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/1/15 2:28	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/1/15 2:28	TPH
Chloroform	0.48	0.25	0.058		2.3	1.2	0.29	5	8/1/15 2:28	TPH
Chloromethane	0.24	0.50	0.11	J	0.50	1.0	0.23	5	8/1/15 2:28	TPH
Cyclohexane	0.74	0.25	0.14	L-03	2.5	0.86	0.49	5	8/1/15 2:28	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/1/15 2:28	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/1/15 2:28	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/1/15 2:28	TPH
1,3-Dichlorobenzene	14	0.25	0.056		82	1.5	0.33	5	8/1/15 2:28	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/1/15 2:28	TPH
Dichlorodifluoromethane (Freon 12)	1.4	0.25	0.11		6.8	1.2	0.54	5	8/1/15 2:28	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/1/15 2:28	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/1/15 2:28	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/1/15 2:28	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/1/15 2:28	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/1/15 2:28	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/1/15 2:28	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/1/15 2:28	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/1/15 2:28	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/1/15 2:28	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/1/15 2:28	TPH
Ethanol	120	10	4.5	L-05, V-06	230	19	8.4	5	8/1/15 2:28	TPH
Ethyl Acetate	1.7	0.25	0.19		6.0	0.90	0.67	5	8/1/15 2:28	TPH
Ethylbenzene	0.81	0.25	0.069		3.5	1.1	0.30	5	8/1/15 2:28	TPH
4-Ethyltoluene	0.52	0.25	0.056		2.6	1.2	0.28	5	8/1/15 2:28	TPH
Heptane	0.13	0.25	0.081	J	0.53	1.0	0.33	5	8/1/15 2:28	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/1/15 2:28	TPH
Hexane	0.80	10	0.44	J	2.8	35	1.6	5	8/1/15 2:28	TPH
2-Hexanone (MBK)	ND	0.25	0.064		ND	1.0	0.26	5	8/1/15 2:28	TPH
Isopropanol	360	10	0.31		880	25	0.75	5	8/1/15 2:28	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.25	0.077		ND	0.90	0.28	5	8/1/15 2:28	TPH
Methylene Chloride	0.42	2.5	0.30	J	1.5	8.7	1.1	5	8/1/15 2:28	TPH
4-Methyl-2-pentanone (MIBK)	1.5	0.25	0.060		6.2	1.0	0.25	5	8/1/15 2:28	TPH
Naphthalene	0.48	0.25	0.14		2.5	1.3	0.71	5	8/1/15 2:28	TPH
Propene	2.1	10	0.76	J	3.6	17	1.3	5	8/1/15 2:28	TPH
Styrene	0.41	0.25	0.048		1.7	1.1	0.21	5	8/1/15 2:28	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/1/15 2:28	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-14
Sample ID: 15G0861-18
Sample Matrix: Soil Gas
Sampled: 7/15/2015 12:58

Sample Description/Location:
Sub Description/Location:
Canister ID: 1544
Canister Size: 1 liter
Flow Controller ID: 4286
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	2.9	0.25	0.071		20	1.7	0.48	5	8/1/15 2:28	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/1/15 2:28	TPH
Toluene	1.4	0.25	0.078		5.4	0.94	0.29	5	8/1/15 2:28	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/1/15 2:28	TPH
1,1,1-Trichloroethane	0.47	0.25	0.045		2.6	1.4	0.25	5	8/1/15 2:28	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/1/15 2:28	TPH
Trichloroethylene	0.62	0.25	0.074		3.3	1.3	0.40	5	8/1/15 2:28	TPH
Trichlorofluoromethane (Freon 11)	0.69	1.0	0.087	L-05, V-06, J	3.9	5.6	0.49	5	8/1/15 2:28	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.45	1.0	0.070	V-06, J	3.4	7.7	0.54	5	8/1/15 2:28	TPH
1,2,4-Trimethylbenzene	3.9	0.25	0.062		19	1.2	0.30	5	8/1/15 2:28	TPH
1,3,5-Trimethylbenzene	1.3	0.25	0.050		6.5	1.2	0.25	5	8/1/15 2:28	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/1/15 2:28	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/1/15 2:28	TPH
m&p-Xylene	4.1	0.50	0.13		18	2.2	0.55	5	8/1/15 2:28	TPH
o-Xylene	3.1	0.25	0.072		13	1.1	0.31	5	8/1/15 2:28	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	116	70-130	8/1/15 2:28

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-32
Sample ID: 15G0861-19
Sample Matrix: Soil Gas
Sampled: 7/15/2015 15:04

Sample Description/Location:
Sub Description/Location:
Canister ID: 1412
Canister Size: 1 liter
Flow Controller ID: 4287
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -1.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	40	80	28	J	95	190	66	40	7/29/15 9:23	TPH
Benzene	ND	2.0	1.0		ND	6.4	3.3	40	7/29/15 9:23	TPH
Benzyl chloride	ND	2.0	0.39		ND	10	2.0	40	7/29/15 9:23	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/29/15 9:23	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/29/15 9:23	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/29/15 9:23	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/29/15 9:23	TPH
2-Butanone (MEK)	6.8	80	1.5	J	20	240	4.4	40	7/29/15 9:23	TPH
Carbon Disulfide	ND	20	0.69		ND	62	2.1	40	7/29/15 9:23	TPH
Carbon Tetrachloride	0.76	2.0	0.48	J	4.8	13	3.0	40	7/29/15 9:23	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 9:23	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/29/15 9:23	TPH
Chloroform	52	2.0	0.47		250	9.8	2.3	40	7/29/15 9:23	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/29/15 9:23	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/29/15 9:23	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/29/15 9:23	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/29/15 9:23	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/29/15 9:23	TPH
1,3-Dichlorobenzene	12	2.0	0.44		74	12	2.7	40	7/29/15 9:23	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	7/29/15 9:23	TPH
Dichlorodifluoromethane (Freon 12)	24	2.0	0.87		120	9.9	4.3	40	7/29/15 9:23	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 9:23	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 9:23	TPH
1,1-Dichloroethylene	0.76	2.0	0.49	J	3.0	7.9	1.9	40	7/29/15 9:23	TPH
cis-1,2-Dichloroethylene	15	2.0	0.76		58	7.9	3.0	40	7/29/15 9:23	TPH
trans-1,2-Dichloroethylene	11	2.0	0.53		43	7.9	2.1	40	7/29/15 9:23	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 9:23	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/29/15 9:23	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/29/15 9:23	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/29/15 9:23	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/29/15 9:23	TPH
Ethanol	130	80	36	V-06	250	150	67	40	7/29/15 9:23	TPH
Ethyl Acetate	ND	2.0	1.5		ND	7.2	5.4	40	7/29/15 9:23	TPH
Ethylbenzene	0.88	2.0	0.55	J	3.8	8.7	2.4	40	7/29/15 9:23	TPH
4-Ethyltoluene	ND	2.0	0.45		ND	9.8	2.2	40	7/29/15 9:23	TPH
Heptane	1.5	2.0	0.65	J	6.1	8.2	2.7	40	7/29/15 9:23	TPH
Hexachlorobutadiene	ND	2.0	0.75		ND	21	8.0	40	7/29/15 9:23	TPH
Hexane	64	80	3.5	J	230	280	12	40	7/29/15 9:23	TPH
2-Hexanone (MBK)	ND	2.0	0.51		ND	8.2	2.1	40	7/29/15 9:23	TPH
Isopropanol	850	80	2.5		2100	200	6.0	40	7/29/15 9:23	TPH
Methyl tert-Butyl Ether (MTBE)	1.1	2.0	0.62	J	3.9	7.2	2.2	40	7/29/15 9:23	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/29/15 9:23	TPH
4-Methyl-2-pentanone (MIBK)	ND	2.0	0.48		ND	8.2	2.0	40	7/29/15 9:23	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	7/29/15 9:23	TPH
Propene	ND	80	6.1		ND	140	11	40	7/29/15 9:23	TPH
Styrene	ND	2.0	0.39		ND	8.5	1.7	40	7/29/15 9:23	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/29/15 9:23	TPH

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-32
Sample ID: 15G0861-19
Sample Matrix: Soil Gas
Sampled: 7/15/2015 15:04

Sample Description/Location:
Sub Description/Location:
Canister ID: 1412
Canister Size: 1 liter
Flow Controller ID: 4287
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -1.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	7.2	2.0	0.57		49	14	3.9	40	7/29/15 9:23	TPH
Tetrahydrofuran	ND	2.0	0.84		ND	5.9	2.5	40	7/29/15 9:23	TPH
Toluene	1.4	2.0	0.62	J	5.4	7.5	2.3	40	7/29/15 9:23	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/29/15 9:23	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/29/15 9:23	TPH
1,1,2-Trichloroethane	2.0	2.0	0.61		11	11	3.3	40	7/29/15 9:23	TPH
Trichloroethylene	26000	80	24		140000	430	130	1600	7/31/15 3:05	TPH
Trichlorofluoromethane (Freon 11)	4.2	8.0	0.70	J	23	45	3.9	40	7/29/15 9:23	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55	8.0	0.56		420	61	4.3	40	7/29/15 9:23	TPH
1,2,4-Trimethylbenzene	5.9	2.0	0.49		29	9.8	2.4	40	7/29/15 9:23	TPH
1,3,5-Trimethylbenzene	0.72	2.0	0.40	J	3.5	9.8	2.0	40	7/29/15 9:23	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/29/15 9:23	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/29/15 9:23	TPH
m&p-Xylene	3.6	4.0	1.0	J	16	17	4.4	40	7/29/15 9:23	TPH
o-Xylene	1.6	2.0	0.58	J	6.9	8.7	2.5	40	7/29/15 9:23	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	111	70-130	7/29/15 9:23
4-Bromofluorobenzene (1)	114	70-130	7/31/15 3:05

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-40
Sample ID: 15G0861-20
Sample Matrix: Soil Gas
Sampled: 7/15/2015 15:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 1435
Canister Size: 1 liter
Flow Controller ID: 4038
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	370	80	28		890	190	66	40	7/29/15 9:58	TPH
Benzene	ND	2.0	1.0		ND	6.4	3.3	40	7/29/15 9:58	TPH
Benzyl chloride	ND	2.0	0.39		ND	10	2.0	40	7/29/15 9:58	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/29/15 9:58	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/29/15 9:58	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/29/15 9:58	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/29/15 9:58	TPH
2-Butanone (MEK)	20	80	1.5	J	60	240	4.4	40	7/29/15 9:58	TPH
Carbon Disulfide	1.2	20	0.69	J	3.6	62	2.1	40	7/29/15 9:58	TPH
Carbon Tetrachloride	0.68	2.0	0.48	J	4.3	13	3.0	40	7/29/15 9:58	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 9:58	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/29/15 9:58	TPH
Chloroform	110	2.0	0.47		540	9.8	2.3	40	7/29/15 9:58	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/29/15 9:58	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/29/15 9:58	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/29/15 9:58	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/29/15 9:58	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/29/15 9:58	TPH
1,3-Dichlorobenzene	5.3	2.0	0.44		32	12	2.7	40	7/29/15 9:58	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	7/29/15 9:58	TPH
Dichlorodifluoromethane (Freon 12)	9.3	2.0	0.87		46	9.9	4.3	40	7/29/15 9:58	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 9:58	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 9:58	TPH
1,1-Dichloroethylene	3.8	2.0	0.49		15	7.9	1.9	40	7/29/15 9:58	TPH
cis-1,2-Dichloroethylene	18	2.0	0.76		72	7.9	3.0	40	7/29/15 9:58	TPH
trans-1,2-Dichloroethylene	17	2.0	0.53		67	7.9	2.1	40	7/29/15 9:58	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 9:58	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/29/15 9:58	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/29/15 9:58	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/29/15 9:58	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/29/15 9:58	TPH
Ethanol	590	80	36	V-06	1100	150	67	40	7/29/15 9:58	TPH
Ethyl Acetate	ND	2.0	1.5		ND	7.2	5.4	40	7/29/15 9:58	TPH
Ethylbenzene	ND	2.0	0.55		ND	8.7	2.4	40	7/29/15 9:58	TPH
4-Ethyltoluene	3.2	2.0	0.45		16	9.8	2.2	40	7/29/15 9:58	TPH
Heptane	ND	2.0	0.65		ND	8.2	2.7	40	7/29/15 9:58	TPH
Hexachlorobutadiene	ND	2.0	0.75		ND	21	8.0	40	7/29/15 9:58	TPH
Hexane	ND	80	3.5		ND	280	12	40	7/29/15 9:58	TPH
2-Hexanone (MBK)	ND	2.0	0.51		ND	8.2	2.1	40	7/29/15 9:58	TPH
Isopropanol	850	80	2.5		2100	200	6.0	40	7/29/15 9:58	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.62		ND	7.2	2.2	40	7/29/15 9:58	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/29/15 9:58	TPH
4-Methyl-2-pentanone (MIBK)	1.8	2.0	0.48	J	7.4	8.2	2.0	40	7/29/15 9:58	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	7/29/15 9:58	TPH
Propene	ND	80	6.1		ND	140	11	40	7/29/15 9:58	TPH
Styrene	ND	2.0	0.39		ND	8.5	1.7	40	7/29/15 9:58	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/29/15 9:58	TPH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-40
Sample ID: 15G0861-20
Sample Matrix: Soil Gas
Sampled: 7/15/2015 15:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 1435
Canister Size: 1 liter
Flow Controller ID: 4038
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	15	2.0	0.57		100	14	3.9	40	7/29/15 9:58	TPH
Tetrahydrofuran	ND	2.0	0.84		ND	5.9	2.5	40	7/29/15 9:58	TPH
Toluene	1.0	2.0	0.62	J	3.8	7.5	2.3	40	7/29/15 9:58	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/29/15 9:58	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/29/15 9:58	TPH
1,1,2-Trichloroethane	2.8	2.0	0.61		15	11	3.3	40	7/29/15 9:58	TPH
Trichloroethylene	38000	80	24		210000	430	130	1600	7/31/15 3:41	TPH
Trichlorofluoromethane (Freon 11)	2.8	8.0	0.70	J	16	45	3.9	40	7/29/15 9:58	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	16	8.0	0.56		120	61	4.3	40	7/29/15 9:58	TPH
1,2,4-Trimethylbenzene	13	2.0	0.49		64	9.8	2.4	40	7/29/15 9:58	TPH
1,3,5-Trimethylbenzene	7.7	2.0	0.40		38	9.8	2.0	40	7/29/15 9:58	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/29/15 9:58	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/29/15 9:58	TPH
m&p-Xylene	2.1	4.0	1.0	J	9.0	17	4.4	40	7/29/15 9:58	TPH
o-Xylene	3.6	2.0	0.58		16	8.7	2.5	40	7/29/15 9:58	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	113	70-130	7/31/15 3:41
4-Bromofluorobenzene (1)	111	70-130	7/29/15 9:58

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-33
Sample ID: 15G0861-21
Sample Matrix: Soil Gas
Sampled: 7/15/2015 15:36

Sample Description/Location:
Sub Description/Location:
Canister ID: 1427
Canister Size: 1 liter
Flow Controller ID: 4284
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	51	80	28	J	120	190	66	40	7/29/15 18:19	TPH
Benzene	ND	2.0	1.0		ND	6.4	3.3	40	7/29/15 18:19	TPH
Benzyl chloride	ND	2.0	0.39		ND	10	2.0	40	7/29/15 18:19	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/29/15 18:19	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/29/15 18:19	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/29/15 18:19	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/29/15 18:19	TPH
2-Butanone (MEK)	5.4	80	1.5	J	16	240	4.4	40	7/29/15 18:19	TPH
Carbon Disulfide	ND	20	0.69		ND	62	2.1	40	7/29/15 18:19	TPH
Carbon Tetrachloride	ND	2.0	0.48		ND	13	3.0	40	7/29/15 18:19	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 18:19	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/29/15 18:19	TPH
Chloroform	9.1	2.0	0.47		45	9.8	2.3	40	7/29/15 18:19	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/29/15 18:19	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/29/15 18:19	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/29/15 18:19	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/29/15 18:19	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/29/15 18:19	TPH
1,3-Dichlorobenzene	3.4	2.0	0.44		21	12	2.7	40	7/29/15 18:19	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	7/29/15 18:19	TPH
Dichlorodifluoromethane (Freon 12)	6.6	2.0	0.87		32	9.9	4.3	40	7/29/15 18:19	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 18:19	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 18:19	TPH
1,1-Dichloroethylene	ND	2.0	0.49		ND	7.9	1.9	40	7/29/15 18:19	TPH
cis-1,2-Dichloroethylene	1.7	2.0	0.76	J	6.8	7.9	3.0	40	7/29/15 18:19	TPH
trans-1,2-Dichloroethylene	1.8	2.0	0.53	J	7.3	7.9	2.1	40	7/29/15 18:19	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 18:19	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/29/15 18:19	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/29/15 18:19	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/29/15 18:19	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/29/15 18:19	TPH
Ethanol	140	80	36	L-05, V-06	270	150	67	40	7/29/15 18:19	TPH
Ethyl Acetate	ND	2.0	1.5		ND	7.2	5.4	40	7/29/15 18:19	TPH
Ethylbenzene	0.56	2.0	0.55	J	2.4	8.7	2.4	40	7/29/15 18:19	TPH
4-Ethyltoluene	ND	2.0	0.45		ND	9.8	2.2	40	7/29/15 18:19	TPH
Heptane	4.6	2.0	0.65		19	8.2	2.7	40	7/29/15 18:19	TPH
Hexachlorobutadiene	2.0	2.0	0.75		21	21	8.0	40	7/29/15 18:19	TPH
Hexane	250	80	3.5		870	280	12	40	7/29/15 18:19	TPH
2-Hexanone (MBK)	ND	2.0	0.51		ND	8.2	2.1	40	7/29/15 18:19	TPH
Isopropanol	230	80	2.5		560	200	6.0	40	7/29/15 18:19	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.62		ND	7.2	2.2	40	7/29/15 18:19	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/29/15 18:19	TPH
4-Methyl-2-pentanone (MIBK)	ND	2.0	0.48		ND	8.2	2.0	40	7/29/15 18:19	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	7/29/15 18:19	TPH
Propene	ND	80	6.1		ND	140	11	40	7/29/15 18:19	TPH
Styrene	ND	2.0	0.39		ND	8.5	1.7	40	7/29/15 18:19	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/29/15 18:19	TPH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-33
Sample ID: 15G0861-21
Sample Matrix: Soil Gas
Sampled: 7/15/2015 15:36

Sample Description/Location:
Sub Description/Location:
Canister ID: 1427
Canister Size: 1 liter
Flow Controller ID: 4284
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -3.8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	3.6	2.0	0.57		25	14	3.9	40	7/29/15 18:19	TPH
Tetrahydrofuran	ND	2.0	0.84		ND	5.9	2.5	40	7/29/15 18:19	TPH
Toluene	0.80	2.0	0.62	J	3.0	7.5	2.3	40	7/29/15 18:19	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/29/15 18:19	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/29/15 18:19	TPH
1,1,2-Trichloroethane	ND	2.0	0.61		ND	11	3.3	40	7/29/15 18:19	TPH
Trichloroethylene	7500	20	5.9		41000	110	32	400	7/31/15 4:20	TPH
Trichlorofluoromethane (Freon 11)	3.8	8.0	0.70	L-05, V-06, J	21	45	3.9	40	7/29/15 18:19	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	30	8.0	0.56		230	61	4.3	40	7/29/15 18:19	TPH
1,2,4-Trimethylbenzene	2.8	2.0	0.49		14	9.8	2.4	40	7/29/15 18:19	TPH
1,3,5-Trimethylbenzene	ND	2.0	0.40		ND	9.8	2.0	40	7/29/15 18:19	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/29/15 18:19	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/29/15 18:19	TPH
m&p-Xylene	2.3	4.0	1.0	J	9.9	17	4.4	40	7/29/15 18:19	TPH
o-Xylene	0.92	2.0	0.58	J	4.0	8.7	2.5	40	7/29/15 18:19	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	7/29/15 18:19
4-Bromofluorobenzene (1)	112	70-130	7/31/15 4:20

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-21
Sample ID: 15G0861-22
Sample Matrix: Soil Gas
Sampled: 7/15/2015 15:53

Sample Description/Location:
Sub Description/Location:
Canister ID: 1421
Canister Size: 1 liter
Flow Controller ID: 4185
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	ND	80	28		ND	190	66	40	7/29/15 18:54	TPH
Benzene	ND	2.0	1.0		ND	6.4	3.3	40	7/29/15 18:54	TPH
Benzyl chloride	ND	2.0	0.39		ND	10	2.0	40	7/29/15 18:54	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/29/15 18:54	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/29/15 18:54	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/29/15 18:54	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/29/15 18:54	TPH
2-Butanone (MEK)	2.9	80	1.5	J	8.6	240	4.4	40	7/29/15 18:54	TPH
Carbon Disulfide	ND	20	0.69		ND	62	2.1	40	7/29/15 18:54	TPH
Carbon Tetrachloride	ND	2.0	0.48		ND	13	3.0	40	7/29/15 18:54	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 18:54	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/29/15 18:54	TPH
Chloroform	27	2.0	0.47		130	9.8	2.3	40	7/29/15 18:54	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/29/15 18:54	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/29/15 18:54	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/29/15 18:54	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/29/15 18:54	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/29/15 18:54	TPH
1,3-Dichlorobenzene	7.6	2.0	0.44		46	12	2.7	40	7/29/15 18:54	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	7/29/15 18:54	TPH
Dichlorodifluoromethane (Freon 12)	59	2.0	0.87		290	9.9	4.3	40	7/29/15 18:54	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 18:54	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 18:54	TPH
1,1-Dichloroethylene	ND	2.0	0.49		ND	7.9	1.9	40	7/29/15 18:54	TPH
cis-1,2-Dichloroethylene	4.9	2.0	0.76		20	7.9	3.0	40	7/29/15 18:54	TPH
trans-1,2-Dichloroethylene	3.8	2.0	0.53		15	7.9	2.1	40	7/29/15 18:54	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 18:54	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/29/15 18:54	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/29/15 18:54	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/29/15 18:54	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/29/15 18:54	TPH
Ethanol	140	80	36	L-05, V-06	260	150	67	40	7/29/15 18:54	TPH
Ethyl Acetate	ND	2.0	1.5		ND	7.2	5.4	40	7/29/15 18:54	TPH
Ethylbenzene	1.2	2.0	0.55	J	5.0	8.7	2.4	40	7/29/15 18:54	TPH
4-Ethyltoluene	ND	2.0	0.45		ND	9.8	2.2	40	7/29/15 18:54	TPH
Heptane	ND	2.0	0.65		ND	8.2	2.7	40	7/29/15 18:54	TPH
Hexachlorobutadiene	1.0	2.0	0.75	L-05, J	11	21	8.0	40	7/29/15 18:54	TPH
Hexane	ND	80	3.5		ND	280	12	40	7/29/15 18:54	TPH
2-Hexanone (MBK)	ND	2.0	0.51		ND	8.2	2.1	40	7/29/15 18:54	TPH
Isopropanol	180	80	2.5		450	200	6.0	40	7/29/15 18:54	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.62		ND	7.2	2.2	40	7/29/15 18:54	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/29/15 18:54	TPH
4-Methyl-2-pentanone (MIBK)	ND	2.0	0.48		ND	8.2	2.0	40	7/29/15 18:54	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	7/29/15 18:54	TPH
Propene	ND	80	6.1		ND	140	11	40	7/29/15 18:54	TPH
Styrene	ND	2.0	0.39		ND	8.5	1.7	40	7/29/15 18:54	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/29/15 18:54	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-21
Sample ID: 15G0861-22
Sample Matrix: Soil Gas
Sampled: 7/15/2015 15:53

Sample Description/Location:
Sub Description/Location:
Canister ID: 1421
Canister Size: 1 liter
Flow Controller ID: 4185
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	9.4	2.0	0.57		63	14	3.9	40	7/29/15 18:54	TPH
Tetrahydrofuran	ND	2.0	0.84		ND	5.9	2.5	40	7/29/15 18:54	TPH
Toluene	0.68	2.0	0.62	J	2.6	7.5	2.3	40	7/29/15 18:54	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/29/15 18:54	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/29/15 18:54	TPH
1,1,2-Trichloroethane	ND	2.0	0.61		ND	11	3.3	40	7/29/15 18:54	TPH
Trichloroethylene	22000	40	12		120000	210	64	800	7/31/15 5:35	TPH
Trichlorofluoromethane (Freon 11)	5.0	8.0	0.70	L-05, V-06, J	28	45	3.9	40	7/29/15 18:54	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54	8.0	0.56		420	61	4.3	40	7/29/15 18:54	TPH
1,2,4-Trimethylbenzene	2.7	2.0	0.49		13	9.8	2.4	40	7/29/15 18:54	TPH
1,3,5-Trimethylbenzene	ND	2.0	0.40		ND	9.8	2.0	40	7/29/15 18:54	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/29/15 18:54	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/29/15 18:54	TPH
m&p-Xylene	3.6	4.0	1.0	J	16	17	4.4	40	7/29/15 18:54	TPH
o-Xylene	2.0	2.0	0.58		8.9	8.7	2.5	40	7/29/15 18:54	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	7/31/15 5:35
4-Bromofluorobenzene (1)	112	70-130	7/29/15 18:54

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-22
Sample ID: 15G0861-23
Sample Matrix: Soil Gas
Sampled: 7/15/2015 16:04

Sample Description/Location:
Sub Description/Location:
Canister ID: 1425
Canister Size: 1 liter
Flow Controller ID: 4194
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	43	80	28	J	100	190	66	40	7/29/15 19:29	TPH
Benzene	ND	2.0	1.0		ND	6.4	3.3	40	7/29/15 19:29	TPH
Benzyl chloride	ND	2.0	0.39		ND	10	2.0	40	7/29/15 19:29	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/29/15 19:29	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/29/15 19:29	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/29/15 19:29	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/29/15 19:29	TPH
2-Butanone (MEK)	3.7	80	1.5	J	11	240	4.4	40	7/29/15 19:29	TPH
Carbon Disulfide	ND	20	0.69		ND	62	2.1	40	7/29/15 19:29	TPH
Carbon Tetrachloride	ND	2.0	0.48		ND	13	3.0	40	7/29/15 19:29	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 19:29	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/29/15 19:29	TPH
Chloroform	9.8	2.0	0.47		48	9.8	2.3	40	7/29/15 19:29	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/29/15 19:29	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/29/15 19:29	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/29/15 19:29	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/29/15 19:29	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/29/15 19:29	TPH
1,3-Dichlorobenzene	2.4	2.0	0.44		15	12	2.7	40	7/29/15 19:29	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	7/29/15 19:29	TPH
Dichlorodifluoromethane (Freon 12)	2.8	2.0	0.87		14	9.9	4.3	40	7/29/15 19:29	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 19:29	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 19:29	TPH
1,1-Dichloroethylene	ND	2.0	0.49		ND	7.9	1.9	40	7/29/15 19:29	TPH
cis-1,2-Dichloroethylene	ND	2.0	0.76		ND	7.9	3.0	40	7/29/15 19:29	TPH
trans-1,2-Dichloroethylene	ND	2.0	0.53		ND	7.9	2.1	40	7/29/15 19:29	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 19:29	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/29/15 19:29	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/29/15 19:29	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/29/15 19:29	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/29/15 19:29	TPH
Ethanol	140	80	36	L-05, V-06	270	150	67	40	7/29/15 19:29	TPH
Ethyl Acetate	ND	2.0	1.5		ND	7.2	5.4	40	7/29/15 19:29	TPH
Ethylbenzene	0.92	2.0	0.55	J	4.0	8.7	2.4	40	7/29/15 19:29	TPH
4-Ethyltoluene	ND	2.0	0.45		ND	9.8	2.2	40	7/29/15 19:29	TPH
Heptane	ND	2.0	0.65		ND	8.2	2.7	40	7/29/15 19:29	TPH
Hexachlorobutadiene	ND	2.0	0.75		ND	21	8.0	40	7/29/15 19:29	TPH
Hexane	ND	80	3.5		ND	280	12	40	7/29/15 19:29	TPH
2-Hexanone (MBK)	ND	2.0	0.51		ND	8.2	2.1	40	7/29/15 19:29	TPH
Isopropanol	26	80	2.5	J	65	200	6.0	40	7/29/15 19:29	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.62		ND	7.2	2.2	40	7/29/15 19:29	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/29/15 19:29	TPH
4-Methyl-2-pentanone (MIBK)	ND	2.0	0.48		ND	8.2	2.0	40	7/29/15 19:29	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	7/29/15 19:29	TPH
Propene	ND	80	6.1		ND	140	11	40	7/29/15 19:29	TPH
Styrene	ND	2.0	0.39		ND	8.5	1.7	40	7/29/15 19:29	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/29/15 19:29	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-22
Sample ID: 15G0861-23
Sample Matrix: Soil Gas
Sampled: 7/15/2015 16:04

Sample Description/Location:
Sub Description/Location:
Canister ID: 1425
Canister Size: 1 liter
Flow Controller ID: 4194
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	5.7	2.0	0.57		39	14	3.9	40	7/29/15 19:29	TPH
Tetrahydrofuran	ND	2.0	0.84		ND	5.9	2.5	40	7/29/15 19:29	TPH
Toluene	ND	2.0	0.62		ND	7.5	2.3	40	7/29/15 19:29	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/29/15 19:29	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/29/15 19:29	TPH
1,1,2-Trichloroethane	ND	2.0	0.61		ND	11	3.3	40	7/29/15 19:29	TPH
Trichloroethylene	3000	4.0	1.2		16000	21	6.4	80	7/30/15 23:54	TPH
Trichlorofluoromethane (Freon 11)	3.4	8.0	0.70	L-05, V-06, J	19	45	3.9	40	7/29/15 19:29	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	31	8.0	0.56		240	61	4.3	40	7/29/15 19:29	TPH
1,2,4-Trimethylbenzene	2.6	2.0	0.49		13	9.8	2.4	40	7/29/15 19:29	TPH
1,3,5-Trimethylbenzene	ND	2.0	0.40		ND	9.8	2.0	40	7/29/15 19:29	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/29/15 19:29	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/29/15 19:29	TPH
m&p-Xylene	3.2	4.0	1.0	J	14	17	4.4	40	7/29/15 19:29	TPH
o-Xylene	1.5	2.0	0.58	J	6.6	8.7	2.5	40	7/29/15 19:29	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	111	70-130	7/29/15 19:29
4-Bromofluorobenzene (1)	114	70-130	7/30/15 23:54

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-31
Sample ID: 15G0861-24
Sample Matrix: Soil Gas
Sampled: 7/15/2015 16:22

Sample Description/Location:
Sub Description/Location:
Canister ID: 1891
Canister Size: 1 liter
Flow Controller ID: 4184
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	38	80	28	J	90	190	66	40	7/29/15 20:05	TPH
Benzene	1.3	2.0	1.0	J	4.1	6.4	3.3	40	7/29/15 20:05	TPH
Benzyl chloride	ND	2.0	0.39		ND	10	2.0	40	7/29/15 20:05	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/29/15 20:05	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/29/15 20:05	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/29/15 20:05	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/29/15 20:05	TPH
2-Butanone (MEK)	4.1	80	1.5	J	12	240	4.4	40	7/29/15 20:05	TPH
Carbon Disulfide	ND	20	0.69		ND	62	2.1	40	7/29/15 20:05	TPH
Carbon Tetrachloride	2.7	2.0	0.48		17	13	3.0	40	7/29/15 20:05	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 20:05	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/29/15 20:05	TPH
Chloroform	77	2.0	0.47		380	9.8	2.3	40	7/29/15 20:05	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/29/15 20:05	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/29/15 20:05	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/29/15 20:05	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/29/15 20:05	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/29/15 20:05	TPH
1,3-Dichlorobenzene	16	2.0	0.44		97	12	2.7	40	7/29/15 20:05	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	7/29/15 20:05	TPH
Dichlorodifluoromethane (Freon 12)	10	2.0	0.87		50	9.9	4.3	40	7/29/15 20:05	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 20:05	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 20:05	TPH
1,1-Dichloroethylene	7.4	2.0	0.49		29	7.9	1.9	40	7/29/15 20:05	TPH
cis-1,2-Dichloroethylene	88	2.0	0.76		350	7.9	3.0	40	7/29/15 20:05	TPH
trans-1,2-Dichloroethylene	66	2.0	0.53		260	7.9	2.1	40	7/29/15 20:05	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 20:05	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/29/15 20:05	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/29/15 20:05	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/29/15 20:05	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/29/15 20:05	TPH
Ethanol	680	80	36	L-05, V-06	1300	150	67	40	7/29/15 20:05	TPH
Ethyl Acetate	ND	2.0	1.5		ND	7.2	5.4	40	7/29/15 20:05	TPH
Ethylbenzene	ND	2.0	0.55		ND	8.7	2.4	40	7/29/15 20:05	TPH
4-Ethyltoluene	ND	2.0	0.45		ND	9.8	2.2	40	7/29/15 20:05	TPH
Heptane	ND	2.0	0.65		ND	8.2	2.7	40	7/29/15 20:05	TPH
Hexachlorobutadiene	0.76	2.0	0.75	L-05, J	8.1	21	8.0	40	7/29/15 20:05	TPH
Hexane	ND	80	3.5		ND	280	12	40	7/29/15 20:05	TPH
2-Hexanone (MBK)	ND	2.0	0.51		ND	8.2	2.1	40	7/29/15 20:05	TPH
Isopropanol	400	80	2.5		990	200	6.0	40	7/29/15 20:05	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.62		ND	7.2	2.2	40	7/29/15 20:05	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/29/15 20:05	TPH
4-Methyl-2-pentanone (MIBK)	1.3	2.0	0.48	J	5.2	8.2	2.0	40	7/29/15 20:05	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	7/29/15 20:05	TPH
Propene	ND	80	6.1		ND	140	11	40	7/29/15 20:05	TPH
Styrene	ND	2.0	0.39		ND	8.5	1.7	40	7/29/15 20:05	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/29/15 20:05	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-31
Sample ID: 15G0861-24
Sample Matrix: Soil Gas
Sampled: 7/15/2015 16:22

Sample Description/Location:
Sub Description/Location:
Canister ID: 1891
Canister Size: 1 liter
Flow Controller ID: 4184
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	59	2.0	0.57		400	14	3.9	40	7/29/15 20:05	TPH
Tetrahydrofuran	ND	2.0	0.84		ND	5.9	2.5	40	7/29/15 20:05	TPH
Toluene	1.0	2.0	0.62	J	3.8	7.5	2.3	40	7/29/15 20:05	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/29/15 20:05	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/29/15 20:05	TPH
1,1,2-Trichloroethane	ND	2.0	0.61		ND	11	3.3	40	7/29/15 20:05	TPH
Trichloroethylene	160000	200	59		880000	1100	320	4000	7/31/15 6:10	TPH
Trichlorofluoromethane (Freon 11)	16	8.0	0.70	L-05, V-06	90	45	3.9	40	7/29/15 20:05	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	340	8.0	0.56		2600	61	4.3	40	7/29/15 20:05	TPH
1,2,4-Trimethylbenzene	5.4	2.0	0.49		27	9.8	2.4	40	7/29/15 20:05	TPH
1,3,5-Trimethylbenzene	0.52	2.0	0.40	J	2.6	9.8	2.0	40	7/29/15 20:05	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/29/15 20:05	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/29/15 20:05	TPH
m&p-Xylene	1.7	4.0	1.0	J	7.5	17	4.4	40	7/29/15 20:05	TPH
o-Xylene	1.0	2.0	0.58	J	4.3	8.7	2.5	40	7/29/15 20:05	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	113	70-130	7/31/15 6:10
4-Bromofluorobenzene (1)	111	70-130	7/29/15 20:05

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-30
Sample ID: 15G0861-25
Sample Matrix: Soil Gas
Sampled: 7/15/2015 16:36

Sample Description/Location:
Sub Description/Location:
Canister ID: 1542
Canister Size: 1 liter
Flow Controller ID: 4195
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	37	80	28	J	89	190	66	40	7/29/15 20:39	TPH
Benzene	ND	2.0	1.0		ND	6.4	3.3	40	7/29/15 20:39	TPH
Benzyl chloride	ND	2.0	0.39		ND	10	2.0	40	7/29/15 20:39	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/29/15 20:39	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/29/15 20:39	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/29/15 20:39	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/29/15 20:39	TPH
2-Butanone (MEK)	4.1	80	1.5	J	12	240	4.4	40	7/29/15 20:39	TPH
Carbon Disulfide	ND	20	0.69		ND	62	2.1	40	7/29/15 20:39	TPH
Carbon Tetrachloride	0.68	2.0	0.48	J	4.3	13	3.0	40	7/29/15 20:39	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 20:39	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/29/15 20:39	TPH
Chloroform	7.5	2.0	0.47		37	9.8	2.3	40	7/29/15 20:39	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/29/15 20:39	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/29/15 20:39	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/29/15 20:39	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/29/15 20:39	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/29/15 20:39	TPH
1,3-Dichlorobenzene	3.6	2.0	0.44		22	12	2.7	40	7/29/15 20:39	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	7/29/15 20:39	TPH
Dichlorodifluoromethane (Freon 12)	2.3	2.0	0.87		11	9.9	4.3	40	7/29/15 20:39	TPH
1,1-Dichloroethane	0.68	2.0	0.56	J	2.8	8.1	2.3	40	7/29/15 20:39	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/29/15 20:39	TPH
1,1-Dichloroethylene	ND	2.0	0.49		ND	7.9	1.9	40	7/29/15 20:39	TPH
cis-1,2-Dichloroethylene	5.8	2.0	0.76		23	7.9	3.0	40	7/29/15 20:39	TPH
trans-1,2-Dichloroethylene	6.1	2.0	0.53		24	7.9	2.1	40	7/29/15 20:39	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	7/29/15 20:39	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/29/15 20:39	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/29/15 20:39	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/29/15 20:39	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/29/15 20:39	TPH
Ethanol	240	80	36	L-05, V-06	450	150	67	40	7/29/15 20:39	TPH
Ethyl Acetate	ND	2.0	1.5		ND	7.2	5.4	40	7/29/15 20:39	TPH
Ethylbenzene	ND	2.0	0.55		ND	8.7	2.4	40	7/29/15 20:39	TPH
4-Ethyltoluene	ND	2.0	0.45		ND	9.8	2.2	40	7/29/15 20:39	TPH
Heptane	ND	2.0	0.65		ND	8.2	2.7	40	7/29/15 20:39	TPH
Hexachlorobutadiene	ND	2.0	0.75		ND	21	8.0	40	7/29/15 20:39	TPH
Hexane	ND	80	3.5		ND	280	12	40	7/29/15 20:39	TPH
2-Hexanone (MBK)	ND	2.0	0.51		ND	8.2	2.1	40	7/29/15 20:39	TPH
Isopropanol	26	80	2.5	J	63	200	6.0	40	7/29/15 20:39	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.62		ND	7.2	2.2	40	7/29/15 20:39	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/29/15 20:39	TPH
4-Methyl-2-pentanone (MIBK)	ND	2.0	0.48		ND	8.2	2.0	40	7/29/15 20:39	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	7/29/15 20:39	TPH
Propene	8.3	80	6.1	J	14	140	11	40	7/29/15 20:39	TPH
Styrene	ND	2.0	0.39		ND	8.5	1.7	40	7/29/15 20:39	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/29/15 20:39	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-30
Sample ID: 15G0861-25
Sample Matrix: Soil Gas
Sampled: 7/15/2015 16:36

Sample Description/Location:
Sub Description/Location:
Canister ID: 1542
Canister Size: 1 liter
Flow Controller ID: 4195
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	23	2.0	0.57		150	14	3.9	40	7/29/15 20:39	TPH
Tetrahydrofuran	ND	2.0	0.84		ND	5.9	2.5	40	7/29/15 20:39	TPH
Toluene	ND	2.0	0.62		ND	7.5	2.3	40	7/29/15 20:39	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/29/15 20:39	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/29/15 20:39	TPH
1,1,2-Trichloroethane	ND	2.0	0.61		ND	11	3.3	40	7/29/15 20:39	TPH
Trichloroethylene	24000	80	24		130000	430	130	1600	7/31/15 6:47	TPH
Trichlorofluoromethane (Freon 11)	5.8	8.0	0.70	L-05, V-06, J	33	45	3.9	40	7/29/15 20:39	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49	8.0	0.56		380	61	4.3	40	7/29/15 20:39	TPH
1,2,4-Trimethylbenzene	2.2	2.0	0.49		11	9.8	2.4	40	7/29/15 20:39	TPH
1,3,5-Trimethylbenzene	ND	2.0	0.40		ND	9.8	2.0	40	7/29/15 20:39	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/29/15 20:39	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/29/15 20:39	TPH
m&p-Xylene	ND	4.0	1.0		ND	17	4.4	40	7/29/15 20:39	TPH
o-Xylene	ND	2.0	0.58		ND	8.7	2.5	40	7/29/15 20:39	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	111	70-130	7/29/15 20:39
4-Bromofluorobenzene (1)	113	70-130	7/31/15 6:47

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-23
Sample ID: 15G0861-26
Sample Matrix: Soil Gas
Sampled: 7/15/2015 16:50

Sample Description/Location:
Sub Description/Location:
Canister ID: 1536
Canister Size: 1 liter
Flow Controller ID: 4188
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	85	10	3.5	L-05, V-06	200	24	8.2	5	8/4/15 7:26	TPH
Benzene	0.91	0.25	0.13		2.9	0.80	0.41	5	8/4/15 7:26	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/4/15 7:26	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/4/15 7:26	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/4/15 7:26	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/4/15 7:26	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/4/15 7:26	TPH
2-Butanone (MEK)	6.1	10	0.19	J	18	29	0.55	5	8/4/15 7:26	TPH
Carbon Disulfide	ND	2.5	0.086		ND	7.8	0.27	5	8/4/15 7:26	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/4/15 7:26	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/4/15 7:26	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/4/15 7:26	TPH
Chloroform	17	0.25	0.058		85	1.2	0.29	5	8/4/15 7:26	TPH
Chloromethane	1.2	0.50	0.11		2.4	1.0	0.23	5	8/4/15 7:26	TPH
Cyclohexane	1.2	0.25	0.14		4.3	0.86	0.49	5	8/4/15 7:26	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/4/15 7:26	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/4/15 7:26	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/4/15 7:26	TPH
1,3-Dichlorobenzene	3.0	0.25	0.056		18	1.5	0.33	5	8/4/15 7:26	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/4/15 7:26	TPH
Dichlorodifluoromethane (Freon 12)	2.0	0.25	0.11	L-05	10	1.2	0.54	5	8/4/15 7:26	TPH
1,1-Dichloroethane	7.2	0.25	0.070		29	1.0	0.29	5	8/4/15 7:26	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/4/15 7:26	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/4/15 7:26	TPH
cis-1,2-Dichloroethylene	17	0.25	0.094		65	0.99	0.37	5	8/4/15 7:26	TPH
trans-1,2-Dichloroethylene	0.58	0.25	0.066		2.3	0.99	0.26	5	8/4/15 7:26	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/4/15 7:26	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/4/15 7:26	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/4/15 7:26	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/4/15 7:26	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/4/15 7:26	TPH
Ethanol	210	10	4.5	L-05, V-06	400	19	8.4	5	8/4/15 7:26	TPH
Ethyl Acetate	ND	0.25	0.19		ND	0.90	0.67	5	8/4/15 7:26	TPH
Ethylbenzene	0.14	0.25	0.069	J	0.63	1.1	0.30	5	8/4/15 7:26	TPH
4-Ethyltoluene	0.13	0.25	0.056	J	0.64	1.2	0.28	5	8/4/15 7:26	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/4/15 7:26	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/4/15 7:26	TPH
Hexane	0.74	10	0.44	J	2.6	35	1.6	5	8/4/15 7:26	TPH
2-Hexanone (MBK)	0.58	0.25	0.064		2.4	1.0	0.26	5	8/4/15 7:26	TPH
Isopropanol	51	10	0.31	L-05, V-06	130	25	0.75	5	8/4/15 7:26	TPH
Methyl tert-Butyl Ether (MTBE)	0.22	0.25	0.077	J	0.79	0.90	0.28	5	8/4/15 7:26	TPH
Methylene Chloride	0.51	2.5	0.30	J	1.8	8.7	1.1	5	8/4/15 7:26	TPH
4-Methyl-2-pentanone (MIBK)	0.58	0.25	0.060		2.4	1.0	0.25	5	8/4/15 7:26	TPH
Naphthalene	0.23	0.25	0.14	J	1.2	1.3	0.71	5	8/4/15 7:26	TPH
Propene	5.0	10	0.76	J	8.7	17	1.3	5	8/4/15 7:26	TPH
Styrene	0.14	0.25	0.048	J	0.58	1.1	0.21	5	8/4/15 7:26	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/4/15 7:26	TPH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-23
Sample ID: 15G0861-26
Sample Matrix: Soil Gas
Sampled: 7/15/2015 16:50

Sample Description/Location:
Sub Description/Location:
Canister ID: 1536
Canister Size: 1 liter
Flow Controller ID: 4188
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -27
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	70	0.25	0.071		480	1.7	0.48	5	8/4/15 7:26	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/4/15 7:26	TPH
Toluene	0.46	0.25	0.078		1.7	0.94	0.29	5	8/4/15 7:26	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/4/15 7:26	TPH
1,1,1-Trichloroethane	0.38	0.25	0.045		2.1	1.4	0.25	5	8/4/15 7:26	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/4/15 7:26	TPH
Trichloroethylene	1100	2.0	0.59	B	6000	11	3.2	40	7/29/15 21:14	TPH
Trichlorofluoromethane (Freon 11)	2.1	1.0	0.087		12	5.6	0.49	5	8/4/15 7:26	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	240	1.0	0.070	L-05	1900	7.7	0.54	5	8/4/15 7:26	TPH
1,2,4-Trimethylbenzene	1.1	0.25	0.062		5.4	1.2	0.30	5	8/4/15 7:26	TPH
1,3,5-Trimethylbenzene	0.19	0.25	0.050	J	0.93	1.2	0.25	5	8/4/15 7:26	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/4/15 7:26	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/4/15 7:26	TPH
m&p-Xylene	0.57	0.50	0.13		2.5	2.2	0.55	5	8/4/15 7:26	TPH
o-Xylene	0.28	0.25	0.072		1.2	1.1	0.31	5	8/4/15 7:26	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	8/4/15 7:26
4-Bromofluorobenzene (1)	111	70-130	7/29/15 21:14

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-29
Sample ID: 15G0861-27
Sample Matrix: Soil Gas
Sampled: 7/15/2015 17:04

Sample Description/Location:
Sub Description/Location:
Canister ID: 1605
Canister Size: 1 liter
Flow Controller ID: 4189
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	91	10	3.5	L-05, V-06	220	24	8.2	5	8/4/15 8:06	TPH
Benzene	0.86	0.25	0.13		2.8	0.80	0.41	5	8/4/15 8:06	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/4/15 8:06	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/4/15 8:06	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/4/15 8:06	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/4/15 8:06	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/4/15 8:06	TPH
2-Butanone (MEK)	18	10	0.19		54	29	0.55	5	8/4/15 8:06	TPH
Carbon Disulfide	ND	2.5	0.086		ND	7.8	0.27	5	8/4/15 8:06	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/4/15 8:06	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/4/15 8:06	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/4/15 8:06	TPH
Chloroform	8.4	0.25	0.058		41	1.2	0.29	5	8/4/15 8:06	TPH
Chloromethane	ND	0.50	0.11		ND	1.0	0.23	5	8/4/15 8:06	TPH
Cyclohexane	0.96	0.25	0.14		3.3	0.86	0.49	5	8/4/15 8:06	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/4/15 8:06	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/4/15 8:06	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/4/15 8:06	TPH
1,3-Dichlorobenzene	1.5	0.25	0.056		8.9	1.5	0.33	5	8/4/15 8:06	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/4/15 8:06	TPH
Dichlorodifluoromethane (Freon 12)	1.5	0.25	0.11	L-05	7.5	1.2	0.54	5	8/4/15 8:06	TPH
1,1-Dichloroethane	46	0.25	0.070		190	1.0	0.29	5	8/4/15 8:06	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/4/15 8:06	TPH
1,1-Dichloroethylene	0.78	0.25	0.061		3.1	0.99	0.24	5	8/4/15 8:06	TPH
cis-1,2-Dichloroethylene	36	0.25	0.094		140	0.99	0.37	5	8/4/15 8:06	TPH
trans-1,2-Dichloroethylene	2.0	0.25	0.066		7.9	0.99	0.26	5	8/4/15 8:06	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/4/15 8:06	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/4/15 8:06	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/4/15 8:06	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/4/15 8:06	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/4/15 8:06	TPH
Ethanol	480	80	36	L-05, V-06	900	150	67	40	7/29/15 21:49	TPH
Ethyl Acetate	0.51	0.25	0.19		1.8	0.90	0.67	5	8/4/15 8:06	TPH
Ethylbenzene	0.21	0.25	0.069	J	0.91	1.1	0.30	5	8/4/15 8:06	TPH
4-Ethyltoluene	0.16	0.25	0.056	J	0.81	1.2	0.28	5	8/4/15 8:06	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/4/15 8:06	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/4/15 8:06	TPH
Hexane	1.8	10	0.44	J	6.3	35	1.6	5	8/4/15 8:06	TPH
2-Hexanone (MBK)	1.2	0.25	0.064		4.8	1.0	0.26	5	8/4/15 8:06	TPH
Isopropanol	46	10	0.31	L-05, V-06	110	25	0.75	5	8/4/15 8:06	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.25	0.077		ND	0.90	0.28	5	8/4/15 8:06	TPH
Methylene Chloride	0.70	2.5	0.30	J	2.4	8.7	1.1	5	8/4/15 8:06	TPH
4-Methyl-2-pentanone (MIBK)	0.60	0.25	0.060		2.5	1.0	0.25	5	8/4/15 8:06	TPH
Naphthalene	0.18	0.25	0.14	J	0.92	1.3	0.71	5	8/4/15 8:06	TPH
Propene	4.8	10	0.76	J	8.2	17	1.3	5	8/4/15 8:06	TPH
Styrene	0.14	0.25	0.048	J	0.62	1.1	0.21	5	8/4/15 8:06	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/4/15 8:06	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-29
Sample ID: 15G0861-27
Sample Matrix: Soil Gas
Sampled: 7/15/2015 17:04

Sample Description/Location:
Sub Description/Location:
Canister ID: 1605
Canister Size: 1 liter
Flow Controller ID: 4189
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -5.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	110	0.25	0.071		770	1.7	0.48	5	8/4/15 8:06	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/4/15 8:06	TPH
Toluene	0.86	0.25	0.078		3.2	0.94	0.29	5	8/4/15 8:06	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/4/15 8:06	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/4/15 8:06	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/4/15 8:06	TPH
Trichloroethylene	1600	2.0	0.59	B	8600	11	3.2	40	7/29/15 21:49	TPH
Trichlorofluoromethane (Freon 11)	4.1	1.0	0.087		23	5.6	0.49	5	8/4/15 8:06	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	200	1.0	0.070	L-05	1500	7.7	0.54	5	8/4/15 8:06	TPH
1,2,4-Trimethylbenzene	0.97	0.25	0.062		4.8	1.2	0.30	5	8/4/15 8:06	TPH
1,3,5-Trimethylbenzene	0.20	0.25	0.050	J	1.0	1.2	0.25	5	8/4/15 8:06	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/4/15 8:06	TPH
Vinyl Chloride	0.28	0.25	0.11		0.73	0.64	0.27	5	8/4/15 8:06	TPH
m&p-Xylene	0.76	0.50	0.13		3.3	2.2	0.55	5	8/4/15 8:06	TPH
o-Xylene	0.36	0.25	0.072		1.5	1.1	0.31	5	8/4/15 8:06	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	8/4/15 8:06
4-Bromofluorobenzene (1)	110	70-130	7/29/15 21:49

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-24
Sample ID: 15G0861-28
Sample Matrix: Soil Gas
Sampled: 7/16/2015 08:59

Sample Description/Location:
Sub Description/Location:
Canister ID: 1436
Canister Size: 1 liter
Flow Controller ID: 4172
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -6.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	26	10	3.5	L-05, V-06	61	24	8.2	5	8/4/15 5:27	TPH
Benzene	0.74	0.25	0.13		2.3	0.80	0.41	5	8/4/15 5:27	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/4/15 5:27	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/4/15 5:27	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/4/15 5:27	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/4/15 5:27	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/4/15 5:27	TPH
2-Butanone (MEK)	2.2	10	0.19	J	6.6	29	0.55	5	8/4/15 5:27	TPH
Carbon Disulfide	ND	2.5	0.086		ND	7.8	0.27	5	8/4/15 5:27	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/4/15 5:27	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/4/15 5:27	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/4/15 5:27	TPH
Chloroform	18	0.25	0.058		89	1.2	0.29	5	8/4/15 5:27	TPH
Chloromethane	ND	0.50	0.11		ND	1.0	0.23	5	8/4/15 5:27	TPH
Cyclohexane	0.57	0.25	0.14		2.0	0.86	0.49	5	8/4/15 5:27	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/4/15 5:27	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/4/15 5:27	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/4/15 5:27	TPH
1,3-Dichlorobenzene	0.87	0.25	0.056		5.2	1.5	0.33	5	8/4/15 5:27	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/4/15 5:27	TPH
Dichlorodifluoromethane (Freon 12)	4.4	0.25	0.11	L-05	22	1.2	0.54	5	8/4/15 5:27	TPH
1,1-Dichloroethane	20	0.25	0.070		79	1.0	0.29	5	8/4/15 5:27	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/4/15 5:27	TPH
1,1-Dichloroethylene	0.26	0.25	0.061		1.0	0.99	0.24	5	8/4/15 5:27	TPH
cis-1,2-Dichloroethylene	34	0.25	0.094		130	0.99	0.37	5	8/4/15 5:27	TPH
trans-1,2-Dichloroethylene	0.71	0.25	0.066		2.8	0.99	0.26	5	8/4/15 5:27	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/4/15 5:27	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/4/15 5:27	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/4/15 5:27	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/4/15 5:27	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/4/15 5:27	TPH
Ethanol	170	10	4.5	L-05, V-06	330	19	8.4	5	8/4/15 5:27	TPH
Ethyl Acetate	ND	0.25	0.19		ND	0.90	0.67	5	8/4/15 5:27	TPH
Ethylbenzene	0.20	0.25	0.069	J	0.87	1.1	0.30	5	8/4/15 5:27	TPH
4-Ethyltoluene	0.12	0.25	0.056	J	0.59	1.2	0.28	5	8/4/15 5:27	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/4/15 5:27	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/4/15 5:27	TPH
Hexane	1.1	10	0.44	J	3.7	35	1.6	5	8/4/15 5:27	TPH
2-Hexanone (MBK)	ND	0.25	0.064		ND	1.0	0.26	5	8/4/15 5:27	TPH
Isopropanol	82	10	0.31	L-05, V-06	200	25	0.75	5	8/4/15 5:27	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.25	0.077		ND	0.90	0.28	5	8/4/15 5:27	TPH
Methylene Chloride	0.67	2.5	0.30	J	2.3	8.7	1.1	5	8/4/15 5:27	TPH
4-Methyl-2-pentanone (MIBK)	0.33	0.25	0.060		1.4	1.0	0.25	5	8/4/15 5:27	TPH
Naphthalene	0.18	0.25	0.14	J	0.94	1.3	0.71	5	8/4/15 5:27	TPH
Propene	7.0	10	0.76	J	12	17	1.3	5	8/4/15 5:27	TPH
Styrene	0.070	0.25	0.048	J	0.30	1.1	0.21	5	8/4/15 5:27	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/4/15 5:27	TPH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-24
Sample ID: 15G0861-28
Sample Matrix: Soil Gas
Sampled: 7/16/2015 08:59

Sample Description/Location:
Sub Description/Location:
Canister ID: 1436
Canister Size: 1 liter
Flow Controller ID: 4172
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -6.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	150	0.25	0.071		1000	1.7	0.48	5	8/4/15 5:27	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/4/15 5:27	TPH
Toluene	0.26	0.25	0.078		1.00	0.94	0.29	5	8/4/15 5:27	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/4/15 5:27	TPH
1,1,1-Trichloroethane	0.21	0.25	0.045	J	1.1	1.4	0.25	5	8/4/15 5:27	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/4/15 5:27	TPH
Trichloroethylene	740	2.0	0.59	B	4000	11	3.2	40	7/29/15 22:27	TPH
Trichlorofluoromethane (Freon 11)	2.4	1.0	0.087		14	5.6	0.49	5	8/4/15 5:27	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	470	8.0	0.56		3600	61	4.3	40	7/29/15 22:27	TPH
1,2,4-Trimethylbenzene	1.2	0.25	0.062		5.9	1.2	0.30	5	8/4/15 5:27	TPH
1,3,5-Trimethylbenzene	0.075	0.25	0.050	J	0.37	1.2	0.25	5	8/4/15 5:27	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/4/15 5:27	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/4/15 5:27	TPH
m&p-Xylene	0.89	0.50	0.13		3.9	2.2	0.55	5	8/4/15 5:27	TPH
o-Xylene	0.32	0.25	0.072		1.4	1.1	0.31	5	8/4/15 5:27	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	102	70-130	8/4/15 5:27
4-Bromofluorobenzene (1)	110	70-130	7/29/15 22:27

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-26
Sample ID: 15G0861-29
Sample Matrix: Soil Gas
Sampled: 7/16/2015 09:17

Sample Description/Location:
Sub Description/Location:
Canister ID: 1598
Canister Size: 1 liter
Flow Controller ID: 4288
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	24	10	3.5	L-05, V-06	58	24	8.2	5	8/3/15 17:38	TPH
Benzene	0.14	0.25	0.13	J	0.45	0.80	0.41	5	8/3/15 17:38	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/3/15 17:38	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/3/15 17:38	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/3/15 17:38	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/3/15 17:38	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/3/15 17:38	TPH
2-Butanone (MEK)	1.5	10	0.19	J	4.5	29	0.55	5	8/3/15 17:38	TPH
Carbon Disulfide	0.50	2.5	0.086	J	1.5	7.8	0.27	5	8/3/15 17:38	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/3/15 17:38	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 17:38	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/3/15 17:38	TPH
Chloroform	0.84	0.25	0.058		4.1	1.2	0.29	5	8/3/15 17:38	TPH
Chloromethane	0.48	0.50	0.11	J	0.99	1.0	0.23	5	8/3/15 17:38	TPH
Cyclohexane	0.40	0.25	0.14		1.4	0.86	0.49	5	8/3/15 17:38	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/3/15 17:38	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/3/15 17:38	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/3/15 17:38	TPH
1,3-Dichlorobenzene	1.2	0.25	0.056		7.4	1.5	0.33	5	8/3/15 17:38	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/3/15 17:38	TPH
Dichlorodifluoromethane (Freon 12)	1.2	0.25	0.11	L-05	5.8	1.2	0.54	5	8/3/15 17:38	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/3/15 17:38	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/3/15 17:38	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/3/15 17:38	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/3/15 17:38	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/3/15 17:38	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 17:38	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/3/15 17:38	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/3/15 17:38	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/3/15 17:38	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/3/15 17:38	TPH
Ethanol	76	10	4.5	L-05, V-06	140	19	8.4	5	8/3/15 17:38	TPH
Ethyl Acetate	0.56	0.25	0.19		2.0	0.90	0.67	5	8/3/15 17:38	TPH
Ethylbenzene	ND	0.25	0.069		ND	1.1	0.30	5	8/3/15 17:38	TPH
4-Ethyltoluene	ND	0.25	0.056		ND	1.2	0.28	5	8/3/15 17:38	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/3/15 17:38	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/3/15 17:38	TPH
Hexane	0.48	10	0.44	J	1.7	35	1.6	5	8/3/15 17:38	TPH
2-Hexanone (MBK)	ND	0.25	0.064		ND	1.0	0.26	5	8/3/15 17:38	TPH
Isopropanol	8.8	10	0.31	L-05, V-06, J	22	25	0.75	5	8/3/15 17:38	TPH
Methyl tert-Butyl Ether (MTBE)	0.14	0.25	0.077	J	0.52	0.90	0.28	5	8/3/15 17:38	TPH
Methylene Chloride	0.48	2.5	0.30	J	1.7	8.7	1.1	5	8/3/15 17:38	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.25	0.060		ND	1.0	0.25	5	8/3/15 17:38	TPH
Naphthalene	0.14	0.25	0.14	J	0.73	1.3	0.71	5	8/3/15 17:38	TPH
Propene	1.9	10	0.76	J	3.3	17	1.3	5	8/3/15 17:38	TPH
Styrene	ND	0.25	0.048		ND	1.1	0.21	5	8/3/15 17:38	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/3/15 17:38	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-26
Sample ID: 15G0861-29
Sample Matrix: Soil Gas
Sampled: 7/16/2015 09:17

Sample Description/Location:
Sub Description/Location:
Canister ID: 1598
Canister Size: 1 liter
Flow Controller ID: 4288
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	3.1	0.25	0.071		21	1.7	0.48	5	8/3/15 17:38	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/3/15 17:38	TPH
Toluene	0.26	0.25	0.078		0.98	0.94	0.29	5	8/3/15 17:38	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/3/15 17:38	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/3/15 17:38	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/3/15 17:38	TPH
Trichloroethylene	1.3	0.25	0.074		6.9	1.3	0.40	5	8/3/15 17:38	TPH
Trichlorofluoromethane (Freon 11)	0.44	1.0	0.087	J	2.5	5.6	0.49	5	8/3/15 17:38	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.94	1.0	0.070	L-05, J	7.2	7.7	0.54	5	8/3/15 17:38	TPH
1,2,4-Trimethylbenzene	1.2	0.25	0.062		5.7	1.2	0.30	5	8/3/15 17:38	TPH
1,3,5-Trimethylbenzene	ND	0.25	0.050		ND	1.2	0.25	5	8/3/15 17:38	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/3/15 17:38	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/3/15 17:38	TPH
m&p-Xylene	0.24	0.50	0.13	J	1.0	2.2	0.55	5	8/3/15 17:38	TPH
o-Xylene	0.12	0.25	0.072	J	0.54	1.1	0.31	5	8/3/15 17:38	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	8/3/15 17:38

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-28
Sample ID: 15G0861-30
Sample Matrix: Soil Gas
Sampled: 7/16/2015 09:32

Sample Description/Location:
Sub Description/Location:
Canister ID: 1528
Canister Size: 1 liter
Flow Controller ID: 4192
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	33	10	3.5	L-05, V-06	77	24	8.2	5	8/3/15 21:35	TPH
Benzene	ND	0.25	0.13		ND	0.80	0.41	5	8/3/15 21:35	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/3/15 21:35	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/3/15 21:35	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/3/15 21:35	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/3/15 21:35	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/3/15 21:35	TPH
2-Butanone (MEK)	2.8	10	0.19	J	8.2	29	0.55	5	8/3/15 21:35	TPH
Carbon Disulfide	ND	2.5	0.086		ND	7.8	0.27	5	8/3/15 21:35	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/3/15 21:35	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 21:35	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/3/15 21:35	TPH
Chloroform	0.57	0.25	0.058		2.8	1.2	0.29	5	8/3/15 21:35	TPH
Chloromethane	0.28	0.50	0.11	J	0.57	1.0	0.23	5	8/3/15 21:35	TPH
Cyclohexane	0.81	0.25	0.14		2.8	0.86	0.49	5	8/3/15 21:35	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/3/15 21:35	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/3/15 21:35	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/3/15 21:35	TPH
1,3-Dichlorobenzene	0.81	0.25	0.056		4.9	1.5	0.33	5	8/3/15 21:35	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/3/15 21:35	TPH
Dichlorodifluoromethane (Freon 12)	3.5	0.25	0.11	L-05	17	1.2	0.54	5	8/3/15 21:35	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/3/15 21:35	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/3/15 21:35	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/3/15 21:35	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/3/15 21:35	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/3/15 21:35	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 21:35	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/3/15 21:35	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/3/15 21:35	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/3/15 21:35	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/3/15 21:35	TPH
Ethanol	69	10	4.5	L-05, V-06	130	19	8.4	5	8/3/15 21:35	TPH
Ethyl Acetate	1.7	0.25	0.19		6.0	0.90	0.67	5	8/3/15 21:35	TPH
Ethylbenzene	0.095	0.25	0.069	J	0.41	1.1	0.30	5	8/3/15 21:35	TPH
4-Ethyltoluene	0.14	0.25	0.056	J	0.71	1.2	0.28	5	8/3/15 21:35	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/3/15 21:35	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/3/15 21:35	TPH
Hexane	ND	10	0.44		ND	35	1.6	5	8/3/15 21:35	TPH
2-Hexanone (MBK)	ND	0.25	0.064		ND	1.0	0.26	5	8/3/15 21:35	TPH
Isopropanol	17	10	0.31	L-05, V-06	41	25	0.75	5	8/3/15 21:35	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.25	0.077		ND	0.90	0.28	5	8/3/15 21:35	TPH
Methylene Chloride	ND	2.5	0.30		ND	8.7	1.1	5	8/3/15 21:35	TPH
4-Methyl-2-pentanone (MIBK)	0.44	0.25	0.060		1.8	1.0	0.25	5	8/3/15 21:35	TPH
Naphthalene	0.17	0.25	0.14	J	0.89	1.3	0.71	5	8/3/15 21:35	TPH
Propene	1.8	10	0.76	J	3.1	17	1.3	5	8/3/15 21:35	TPH
Styrene	0.11	0.25	0.048	J	0.47	1.1	0.21	5	8/3/15 21:35	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/3/15 21:35	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-28
Sample ID: 15G0861-30
Sample Matrix: Soil Gas
Sampled: 7/16/2015 09:32

Sample Description/Location:
Sub Description/Location:
Canister ID: 1528
Canister Size: 1 liter
Flow Controller ID: 4192
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	9.0	0.25	0.071		61	1.7	0.48	5	8/3/15 21:35	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/3/15 21:35	TPH
Toluene	0.36	0.25	0.078		1.4	0.94	0.29	5	8/3/15 21:35	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/3/15 21:35	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/3/15 21:35	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/3/15 21:35	TPH
Trichloroethylene	59	0.25	0.074		320	1.3	0.40	5	8/3/15 21:35	TPH
Trichlorofluoromethane (Freon 11)	1.4	1.0	0.087		8.0	5.6	0.49	5	8/3/15 21:35	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	6.8	1.0	0.070	L-05	52	7.7	0.54	5	8/3/15 21:35	TPH
1,2,4-Trimethylbenzene	0.83	0.25	0.062		4.1	1.2	0.30	5	8/3/15 21:35	TPH
1,3,5-Trimethylbenzene	0.16	0.25	0.050	J	0.81	1.2	0.25	5	8/3/15 21:35	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/3/15 21:35	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/3/15 21:35	TPH
m&p-Xylene	0.34	0.50	0.13	J	1.5	2.2	0.55	5	8/3/15 21:35	TPH
o-Xylene	0.28	0.25	0.072		1.2	1.1	0.31	5	8/3/15 21:35	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	8/3/15 21:35

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-34
Sample ID: 15G0861-31
Sample Matrix: Soil Gas
Sampled: 7/16/2015 09:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 1555
Canister Size: 1 liter
Flow Controller ID: 4205
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	ND	80	28		ND	190	66	40	7/30/15 0:12	TPH
Benzene	ND	2.0	1.0		ND	6.4	3.3	40	7/30/15 0:12	TPH
Benzyl chloride	ND	2.0	0.39		ND	10	2.0	40	7/30/15 0:12	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/30/15 0:12	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/30/15 0:12	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/30/15 0:12	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/30/15 0:12	TPH
2-Butanone (MEK)	3.2	80	1.5	J	9.3	240	4.4	40	7/30/15 0:12	TPH
Carbon Disulfide	0.84	20	0.69	J	2.6	62	2.1	40	7/30/15 0:12	TPH
Carbon Tetrachloride	ND	2.0	0.48		ND	13	3.0	40	7/30/15 0:12	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/30/15 0:12	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/30/15 0:12	TPH
Chloroform	4.0	2.0	0.47		20	9.8	2.3	40	7/30/15 0:12	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/30/15 0:12	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/30/15 0:12	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/30/15 0:12	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/30/15 0:12	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/30/15 0:12	TPH
1,3-Dichlorobenzene	1.0	2.0	0.44	J	6.3	12	2.7	40	7/30/15 0:12	TPH
1,4-Dichlorobenzene	1.0	2.0	0.50	J	6.3	12	3.0	40	7/30/15 0:12	TPH
Dichlorodifluoromethane (Freon 12)	3.9	2.0	0.87		19	9.9	4.3	40	7/30/15 0:12	TPH
1,1-Dichloroethane	0.60	2.0	0.56	J	2.4	8.1	2.3	40	7/30/15 0:12	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/30/15 0:12	TPH
1,1-Dichloroethylene	ND	2.0	0.49		ND	7.9	1.9	40	7/30/15 0:12	TPH
cis-1,2-Dichloroethylene	ND	2.0	0.76		ND	7.9	3.0	40	7/30/15 0:12	TPH
trans-1,2-Dichloroethylene	1.2	2.0	0.53	J	4.8	7.9	2.1	40	7/30/15 0:12	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	7/30/15 0:12	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/30/15 0:12	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/30/15 0:12	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/30/15 0:12	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/30/15 0:12	TPH
Ethanol	140	80	36	L-05, V-06	270	150	67	40	7/30/15 0:12	TPH
Ethyl Acetate	ND	2.0	1.5		ND	7.2	5.4	40	7/30/15 0:12	TPH
Ethylbenzene	ND	2.0	0.55		ND	8.7	2.4	40	7/30/15 0:12	TPH
4-Ethyltoluene	ND	2.0	0.45		ND	9.8	2.2	40	7/30/15 0:12	TPH
Heptane	ND	2.0	0.65		ND	8.2	2.7	40	7/30/15 0:12	TPH
Hexachlorobutadiene	ND	2.0	0.75		ND	21	8.0	40	7/30/15 0:12	TPH
Hexane	ND	80	3.5		ND	280	12	40	7/30/15 0:12	TPH
2-Hexanone (MBK)	ND	2.0	0.51		ND	8.2	2.1	40	7/30/15 0:12	TPH
Isopropanol	11	80	2.5	J	27	200	6.0	40	7/30/15 0:12	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.62		ND	7.2	2.2	40	7/30/15 0:12	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/30/15 0:12	TPH
4-Methyl-2-pentanone (MIBK)	ND	2.0	0.48		ND	8.2	2.0	40	7/30/15 0:12	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	7/30/15 0:12	TPH
Propene	6.8	80	6.1	J	12	140	11	40	7/30/15 0:12	TPH
Styrene	ND	2.0	0.39		ND	8.5	1.7	40	7/30/15 0:12	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/30/15 0:12	TPH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-34
Sample ID: 15G0861-31
Sample Matrix: Soil Gas
Sampled: 7/16/2015 09:45

Sample Description/Location:
Sub Description/Location:
Canister ID: 1555
Canister Size: 1 liter
Flow Controller ID: 4205
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	7.5	2.0	0.57		51	14	3.9	40	7/30/15 0:12	TPH
Tetrahydrofuran	ND	2.0	0.84		ND	5.9	2.5	40	7/30/15 0:12	TPH
Toluene	ND	2.0	0.62		ND	7.5	2.3	40	7/30/15 0:12	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/30/15 0:12	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/30/15 0:12	TPH
1,1,2-Trichloroethane	ND	2.0	0.61		ND	11	3.3	40	7/30/15 0:12	TPH
Trichloroethylene	6000	20	5.9		32000	110	32	400	7/31/15 7:29	TPH
Trichlorofluoromethane (Freon 11)	3.5	8.0	0.70	L-05, V-06, J	20	45	3.9	40	7/30/15 0:12	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.1	8.0	0.56		62	61	4.3	40	7/30/15 0:12	TPH
1,2,4-Trimethylbenzene	0.80	2.0	0.49	J	3.9	9.8	2.4	40	7/30/15 0:12	TPH
1,3,5-Trimethylbenzene	ND	2.0	0.40		ND	9.8	2.0	40	7/30/15 0:12	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/30/15 0:12	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/30/15 0:12	TPH
m&p-Xylene	ND	4.0	1.0		ND	17	4.4	40	7/30/15 0:12	TPH
o-Xylene	ND	2.0	0.58		ND	8.7	2.5	40	7/30/15 0:12	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	7/30/15 0:12
4-Bromofluorobenzene (1)	112	70-130	7/31/15 7:29

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-36
Sample ID: 15G0861-32
Sample Matrix: Soil Gas
Sampled: 7/16/2015 10:26

Sample Description/Location:
Sub Description/Location:
Canister ID: 1535
Canister Size: 1 liter
Flow Controller ID: 4173
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -24
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -10.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	17	10	3.5	L-05, V-06	40	24	8.2	5	8/3/15 18:18	TPH
Benzene	0.24	0.25	0.13	J	0.77	0.80	0.41	5	8/3/15 18:18	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/3/15 18:18	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/3/15 18:18	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/3/15 18:18	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/3/15 18:18	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/3/15 18:18	TPH
2-Butanone (MEK)	0.68	10	0.19	J	2.0	29	0.55	5	8/3/15 18:18	TPH
Carbon Disulfide	ND	2.5	0.086		ND	7.8	0.27	5	8/3/15 18:18	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/3/15 18:18	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 18:18	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/3/15 18:18	TPH
Chloroform	0.24	0.25	0.058	J	1.1	1.2	0.29	5	8/3/15 18:18	TPH
Chloromethane	0.20	0.50	0.11	J	0.42	1.0	0.23	5	8/3/15 18:18	TPH
Cyclohexane	ND	0.25	0.14		ND	0.86	0.49	5	8/3/15 18:18	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/3/15 18:18	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/3/15 18:18	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/3/15 18:18	TPH
1,3-Dichlorobenzene	0.74	0.25	0.056		4.4	1.5	0.33	5	8/3/15 18:18	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/3/15 18:18	TPH
Dichlorodifluoromethane (Freon 12)	4.5	0.25	0.11	L-05	22	1.2	0.54	5	8/3/15 18:18	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/3/15 18:18	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/3/15 18:18	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/3/15 18:18	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/3/15 18:18	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/3/15 18:18	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 18:18	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/3/15 18:18	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/3/15 18:18	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/3/15 18:18	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/3/15 18:18	TPH
Ethanol	33	10	4.5	L-05, V-06	63	19	8.4	5	8/3/15 18:18	TPH
Ethyl Acetate	0.60	0.25	0.19		2.2	0.90	0.67	5	8/3/15 18:18	TPH
Ethylbenzene	3.2	0.25	0.069		14	1.1	0.30	5	8/3/15 18:18	TPH
4-Ethyltoluene	0.16	0.25	0.056	J	0.76	1.2	0.28	5	8/3/15 18:18	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/3/15 18:18	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/3/15 18:18	TPH
Hexane	0.56	10	0.44	J	2.0	35	1.6	5	8/3/15 18:18	TPH
2-Hexanone (MBK)	ND	0.25	0.064		ND	1.0	0.26	5	8/3/15 18:18	TPH
Isopropanol	15	10	0.31	L-05, V-06	36	25	0.75	5	8/3/15 18:18	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.25	0.077		ND	0.90	0.28	5	8/3/15 18:18	TPH
Methylene Chloride	0.56	2.5	0.30	J	2.0	8.7	1.1	5	8/3/15 18:18	TPH
4-Methyl-2-pentanone (MIBK)	1.8	0.25	0.060		7.2	1.0	0.25	5	8/3/15 18:18	TPH
Naphthalene	ND	0.25	0.14		ND	1.3	0.71	5	8/3/15 18:18	TPH
Propene	ND	10	0.76		ND	17	1.3	5	8/3/15 18:18	TPH
Styrene	ND	0.25	0.048		ND	1.1	0.21	5	8/3/15 18:18	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/3/15 18:18	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-36
Sample ID: 15G0861-32
Sample Matrix: Soil Gas
Sampled: 7/16/2015 10:26

Sample Description/Location:
Sub Description/Location:
Canister ID: 1535
Canister Size: 1 liter
Flow Controller ID: 4173
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -24
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -10.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	3.2	0.25	0.071		22	1.7	0.48	5	8/3/15 18:18	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/3/15 18:18	TPH
Toluene	0.50	0.25	0.078		1.9	0.94	0.29	5	8/3/15 18:18	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/3/15 18:18	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/3/15 18:18	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/3/15 18:18	TPH
Trichloroethylene	5.1	0.25	0.074		27	1.3	0.40	5	8/3/15 18:18	TPH
Trichlorofluoromethane (Freon 11)	1.5	1.0	0.087		8.6	5.6	0.49	5	8/3/15 18:18	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	16	1.0	0.070	L-05	120	7.7	0.54	5	8/3/15 18:18	TPH
1,2,4-Trimethylbenzene	0.62	0.25	0.062		3.0	1.2	0.30	5	8/3/15 18:18	TPH
1,3,5-Trimethylbenzene	0.10	0.25	0.050	J	0.52	1.2	0.25	5	8/3/15 18:18	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/3/15 18:18	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/3/15 18:18	TPH
m&p-Xylene	9.7	0.50	0.13		42	2.2	0.55	5	8/3/15 18:18	TPH
o-Xylene	1.2	0.25	0.072		5.3	1.1	0.31	5	8/3/15 18:18	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	102	70-130	8/3/15 18:18

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-25
Sample ID: 15G0861-33
Sample Matrix: Soil Gas
Sampled: 7/16/2015 09:17

Sample Description/Location:
Sub Description/Location:
Canister ID: 1543
Canister Size: 1 liter
Flow Controller ID: 4289
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	47	10	3.5	L-05, V-06	110	24	8.2	5	8/3/15 18:57	TPH
Benzene	0.16	0.25	0.13	J	0.50	0.80	0.41	5	8/3/15 18:57	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/3/15 18:57	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/3/15 18:57	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/3/15 18:57	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/3/15 18:57	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/3/15 18:57	TPH
2-Butanone (MEK)	2.9	10	0.19	J	8.6	29	0.55	5	8/3/15 18:57	TPH
Carbon Disulfide	0.48	2.5	0.086	J	1.5	7.8	0.27	5	8/3/15 18:57	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/3/15 18:57	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 18:57	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/3/15 18:57	TPH
Chloroform	1.2	0.25	0.058		6.1	1.2	0.29	5	8/3/15 18:57	TPH
Chloromethane	0.31	0.50	0.11	J	0.64	1.0	0.23	5	8/3/15 18:57	TPH
Cyclohexane	0.82	0.25	0.14		2.8	0.86	0.49	5	8/3/15 18:57	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/3/15 18:57	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/3/15 18:57	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/3/15 18:57	TPH
1,3-Dichlorobenzene	3.8	0.25	0.056		23	1.5	0.33	5	8/3/15 18:57	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/3/15 18:57	TPH
Dichlorodifluoromethane (Freon 12)	10	0.25	0.11	L-05	51	1.2	0.54	5	8/3/15 18:57	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/3/15 18:57	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/3/15 18:57	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/3/15 18:57	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/3/15 18:57	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/3/15 18:57	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 18:57	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/3/15 18:57	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/3/15 18:57	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/3/15 18:57	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/3/15 18:57	TPH
Ethanol	170	10	4.5	L-05, V-06	330	19	8.4	5	8/3/15 18:57	TPH
Ethyl Acetate	0.92	0.25	0.19		3.3	0.90	0.67	5	8/3/15 18:57	TPH
Ethylbenzene	0.18	0.25	0.069	J	0.76	1.1	0.30	5	8/3/15 18:57	TPH
4-Ethyltoluene	0.20	0.25	0.056	J	0.96	1.2	0.28	5	8/3/15 18:57	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/3/15 18:57	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/3/15 18:57	TPH
Hexane	1.8	10	0.44	J	6.2	35	1.6	5	8/3/15 18:57	TPH
2-Hexanone (MBK)	ND	0.25	0.064		ND	1.0	0.26	5	8/3/15 18:57	TPH
Isopropanol	22	10	0.31	L-05, V-06	55	25	0.75	5	8/3/15 18:57	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.25	0.077		ND	0.90	0.28	5	8/3/15 18:57	TPH
Methylene Chloride	0.62	2.5	0.30	J	2.2	8.7	1.1	5	8/3/15 18:57	TPH
4-Methyl-2-pentanone (MIBK)	0.54	0.25	0.060		2.2	1.0	0.25	5	8/3/15 18:57	TPH
Naphthalene	0.16	0.25	0.14	J	0.81	1.3	0.71	5	8/3/15 18:57	TPH
Propene	2.4	10	0.76	J	4.2	17	1.3	5	8/3/15 18:57	TPH
Styrene	0.085	0.25	0.048	J	0.36	1.1	0.21	5	8/3/15 18:57	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/3/15 18:57	TPH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-25
Sample ID: 15G0861-33
Sample Matrix: Soil Gas
Sampled: 7/16/2015 09:17

Sample Description/Location:
Sub Description/Location:
Canister ID: 1543
Canister Size: 1 liter
Flow Controller ID: 4289
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.90	0.25	0.071		6.1	1.7	0.48	5	8/3/15 18:57	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/3/15 18:57	TPH
Toluene	0.32	0.25	0.078		1.2	0.94	0.29	5	8/3/15 18:57	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/3/15 18:57	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/3/15 18:57	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/3/15 18:57	TPH
Trichloroethylene	34	0.25	0.074		180	1.3	0.40	5	8/3/15 18:57	TPH
Trichlorofluoromethane (Freon 11)	0.95	1.0	0.087	J	5.3	5.6	0.49	5	8/3/15 18:57	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.9	1.0	0.070	L-05	22	7.7	0.54	5	8/3/15 18:57	TPH
1,2,4-Trimethylbenzene	0.68	0.25	0.062		3.3	1.2	0.30	5	8/3/15 18:57	TPH
1,3,5-Trimethylbenzene	0.10	0.25	0.050	J	0.52	1.2	0.25	5	8/3/15 18:57	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/3/15 18:57	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/3/15 18:57	TPH
m&p-Xylene	0.68	0.50	0.13		3.0	2.2	0.55	5	8/3/15 18:57	TPH
o-Xylene	0.33	0.25	0.072		1.4	1.1	0.31	5	8/3/15 18:57	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	98.4	70-130	8/3/15 18:57

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-27
Sample ID: 15G0861-34
Sample Matrix: Soil Gas
Sampled: 7/16/2015 09:38

Sample Description/Location:
Sub Description/Location:
Canister ID: 1546
Canister Size: 1 liter
Flow Controller ID: 4193
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	36	10	3.5	L-05, V-06	86	24	8.2	5	8/3/15 19:37	TPH
Benzene	0.13	0.25	0.13	J	0.42	0.80	0.41	5	8/3/15 19:37	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/3/15 19:37	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/3/15 19:37	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/3/15 19:37	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/3/15 19:37	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/3/15 19:37	TPH
2-Butanone (MEK)	2.6	10	0.19	J	7.7	29	0.55	5	8/3/15 19:37	TPH
Carbon Disulfide	ND	2.5	0.086		ND	7.8	0.27	5	8/3/15 19:37	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/3/15 19:37	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 19:37	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/3/15 19:37	TPH
Chloroform	0.12	0.25	0.058	J	0.61	1.2	0.29	5	8/3/15 19:37	TPH
Chloromethane	0.24	0.50	0.11	J	0.50	1.0	0.23	5	8/3/15 19:37	TPH
Cyclohexane	0.91	0.25	0.14		3.1	0.86	0.49	5	8/3/15 19:37	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/3/15 19:37	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/3/15 19:37	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/3/15 19:37	TPH
1,3-Dichlorobenzene	1.1	0.25	0.056		6.8	1.5	0.33	5	8/3/15 19:37	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/3/15 19:37	TPH
Dichlorodifluoromethane (Freon 12)	3.1	0.25	0.11	L-05	15	1.2	0.54	5	8/3/15 19:37	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/3/15 19:37	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/3/15 19:37	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/3/15 19:37	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/3/15 19:37	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/3/15 19:37	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 19:37	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/3/15 19:37	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/3/15 19:37	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/3/15 19:37	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/3/15 19:37	TPH
Ethanol	100	10	4.5	V-06, L-05	190	19	8.4	5	8/3/15 19:37	TPH
Ethyl Acetate	0.80	0.25	0.19		2.9	0.90	0.67	5	8/3/15 19:37	TPH
Ethylbenzene	0.11	0.25	0.069	J	0.48	1.1	0.30	5	8/3/15 19:37	TPH
4-Ethyltoluene	0.15	0.25	0.056	J	0.74	1.2	0.28	5	8/3/15 19:37	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/3/15 19:37	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/3/15 19:37	TPH
Hexane	1.4	10	0.44	J	5.0	35	1.6	5	8/3/15 19:37	TPH
2-Hexanone (MBK)	0.70	0.25	0.064		2.9	1.0	0.26	5	8/3/15 19:37	TPH
Isopropanol	15	10	0.31	L-05, V-06	36	25	0.75	5	8/3/15 19:37	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.25	0.077		ND	0.90	0.28	5	8/3/15 19:37	TPH
Methylene Chloride	0.34	2.5	0.30	J	1.2	8.7	1.1	5	8/3/15 19:37	TPH
4-Methyl-2-pentanone (MIBK)	1.3	0.25	0.060		5.4	1.0	0.25	5	8/3/15 19:37	TPH
Naphthalene	ND	0.25	0.14		ND	1.3	0.71	5	8/3/15 19:37	TPH
Propene	1.4	10	0.76	J	2.5	17	1.3	5	8/3/15 19:37	TPH
Styrene	0.16	0.25	0.048	J	0.66	1.1	0.21	5	8/3/15 19:37	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/3/15 19:37	TPH

con-test® ANALYTICAL LABORATORY

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-27
Sample ID: 15G0861-34
Sample Matrix: Soil Gas
Sampled: 7/16/2015 09:38

Sample Description/Location:
Sub Description/Location:
Canister ID: 1546
Canister Size: 1 liter
Flow Controller ID: 4193
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.46	0.25	0.071		3.1	1.7	0.48	5	8/3/15 19:37	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/3/15 19:37	TPH
Toluene	0.42	0.25	0.078		1.6	0.94	0.29	5	8/3/15 19:37	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/3/15 19:37	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/3/15 19:37	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/3/15 19:37	TPH
Trichloroethylene	1.3	0.25	0.074		6.9	1.3	0.40	5	8/3/15 19:37	TPH
Trichlorofluoromethane (Freon 11)	1.2	1.0	0.087		6.5	5.6	0.49	5	8/3/15 19:37	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	130	1.0	0.070	L-05	960	7.7	0.54	5	8/3/15 19:37	TPH
1,2,4-Trimethylbenzene	1.5	0.25	0.062		7.5	1.2	0.30	5	8/3/15 19:37	TPH
1,3,5-Trimethylbenzene	0.095	0.25	0.050	J	0.47	1.2	0.25	5	8/3/15 19:37	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/3/15 19:37	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/3/15 19:37	TPH
m&p-Xylene	0.37	0.50	0.13	J	1.6	2.2	0.55	5	8/3/15 19:37	TPH
o-Xylene	0.17	0.25	0.072	J	0.74	1.1	0.31	5	8/3/15 19:37	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.8	70-130	8/3/15 19:37

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-35
Sample ID: 15G0861-35
Sample Matrix: Soil Gas
Sampled: 7/16/2015 09:57

Sample Description/Location:
Sub Description/Location:
Canister ID: 1410
Canister Size: 1 liter
Flow Controller ID: 4204
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -4.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	120	10	3.5	L-05, V-06	290	24	8.2	5	8/3/15 20:55	TPH
Benzene	0.22	0.25	0.13	J	0.70	0.80	0.41	5	8/3/15 20:55	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/3/15 20:55	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/3/15 20:55	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/3/15 20:55	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/3/15 20:55	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/3/15 20:55	TPH
2-Butanone (MEK)	2.8	10	0.19	J	8.3	29	0.55	5	8/3/15 20:55	TPH
Carbon Disulfide	ND	2.5	0.086		ND	7.8	0.27	5	8/3/15 20:55	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/3/15 20:55	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 20:55	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/3/15 20:55	TPH
Chloroform	0.24	0.25	0.058	J	1.2	1.2	0.29	5	8/3/15 20:55	TPH
Chloromethane	0.28	0.50	0.11	J	0.59	1.0	0.23	5	8/3/15 20:55	TPH
Cyclohexane	1.0	0.25	0.14		3.6	0.86	0.49	5	8/3/15 20:55	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/3/15 20:55	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/3/15 20:55	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/3/15 20:55	TPH
1,3-Dichlorobenzene	4.2	0.25	0.056		25	1.5	0.33	5	8/3/15 20:55	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/3/15 20:55	TPH
Dichlorodifluoromethane (Freon 12)	2.6	0.25	0.11	L-05	13	1.2	0.54	5	8/3/15 20:55	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/3/15 20:55	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/3/15 20:55	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/3/15 20:55	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/3/15 20:55	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/3/15 20:55	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 20:55	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/3/15 20:55	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/3/15 20:55	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/3/15 20:55	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/3/15 20:55	TPH
Ethanol	250	10	4.5	L-05, V-06	470	19	8.4	5	8/3/15 20:55	TPH
Ethyl Acetate	0.86	0.25	0.19		3.1	0.90	0.67	5	8/3/15 20:55	TPH
Ethylbenzene	58	0.25	0.069		250	1.1	0.30	5	8/3/15 20:55	TPH
4-Ethyltoluene	0.62	0.25	0.056		3.1	1.2	0.28	5	8/3/15 20:55	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/3/15 20:55	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/3/15 20:55	TPH
Hexane	ND	10	0.44		ND	35	1.6	5	8/3/15 20:55	TPH
2-Hexanone (MBK)	ND	0.25	0.064		ND	1.0	0.26	5	8/3/15 20:55	TPH
Isopropanol	40	10	0.31	L-05, V-06	99	25	0.75	5	8/3/15 20:55	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.25	0.077		ND	0.90	0.28	5	8/3/15 20:55	TPH
Methylene Chloride	0.36	2.5	0.30	J	1.3	8.7	1.1	5	8/3/15 20:55	TPH
4-Methyl-2-pentanone (MIBK)	2.0	0.25	0.060		8.2	1.0	0.25	5	8/3/15 20:55	TPH
Naphthalene	0.17	0.25	0.14	J	0.89	1.3	0.71	5	8/3/15 20:55	TPH
Propene	1.8	10	0.76	J	3.1	17	1.3	5	8/3/15 20:55	TPH
Styrene	0.16	0.25	0.048	J	0.66	1.1	0.21	5	8/3/15 20:55	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/3/15 20:55	TPH

con-test® ANALYTICAL LABORATORY

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-35
Sample ID: 15G0861-35
Sample Matrix: Soil Gas
Sampled: 7/16/2015 09:57

Sample Description/Location:
Sub Description/Location:
Canister ID: 1410
Canister Size: 1 liter
Flow Controller ID: 4204
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -4.4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	3.0	0.25	0.071		20	1.7	0.48	5	8/3/15 20:55	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/3/15 20:55	TPH
Toluene	0.98	0.25	0.078		3.7	0.94	0.29	5	8/3/15 20:55	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/3/15 20:55	TPH
1,1,1-Trichloroethane	0.16	0.25	0.045	J	0.90	1.4	0.25	5	8/3/15 20:55	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/3/15 20:55	TPH
Trichloroethylene	5.5	0.25	0.074		29	1.3	0.40	5	8/3/15 20:55	TPH
Trichlorofluoromethane (Freon 11)	1.3	1.0	0.087		7.2	5.6	0.49	5	8/3/15 20:55	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12	1.0	0.070	L-05	93	7.7	0.54	5	8/3/15 20:55	TPH
1,2,4-Trimethylbenzene	1.1	0.25	0.062		5.6	1.2	0.30	5	8/3/15 20:55	TPH
1,3,5-Trimethylbenzene	0.36	0.25	0.050		1.7	1.2	0.25	5	8/3/15 20:55	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/3/15 20:55	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/3/15 20:55	TPH
m&p-Xylene	120	0.50	0.13		540	2.2	0.55	5	8/3/15 20:55	TPH
o-Xylene	94	0.25	0.072		410	1.1	0.31	5	8/3/15 20:55	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	104	70-130	8/3/15 20:55

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-37
Sample ID: 15G0861-36
Sample Matrix: Soil Gas
Sampled: 7/16/2015 10:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 1432
Canister Size: 1 liter
Flow Controller ID: 4208
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	67	10	3.5	L-05, V-06	160	24	8.2	5	8/3/15 20:16	TPH
Benzene	0.90	0.25	0.13		2.9	0.80	0.41	5	8/3/15 20:16	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/3/15 20:16	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/3/15 20:16	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/3/15 20:16	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/3/15 20:16	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/3/15 20:16	TPH
2-Butanone (MEK)	3.6	10	0.19	J	10	29	0.55	5	8/3/15 20:16	TPH
Carbon Disulfide	0.40	2.5	0.086	J	1.3	7.8	0.27	5	8/3/15 20:16	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/3/15 20:16	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 20:16	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/3/15 20:16	TPH
Chloroform	0.14	0.25	0.058	J	0.68	1.2	0.29	5	8/3/15 20:16	TPH
Chloromethane	0.66	0.50	0.11		1.4	1.0	0.23	5	8/3/15 20:16	TPH
Cyclohexane	1.2	0.25	0.14		4.3	0.86	0.49	5	8/3/15 20:16	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/3/15 20:16	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/3/15 20:16	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/3/15 20:16	TPH
1,3-Dichlorobenzene	1.2	0.25	0.056		7.2	1.5	0.33	5	8/3/15 20:16	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/3/15 20:16	TPH
Dichlorodifluoromethane (Freon 12)	3.4	0.25	0.11	L-05	17	1.2	0.54	5	8/3/15 20:16	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/3/15 20:16	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/3/15 20:16	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/3/15 20:16	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/3/15 20:16	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/3/15 20:16	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 20:16	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/3/15 20:16	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/3/15 20:16	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/3/15 20:16	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/3/15 20:16	TPH
Ethanol	130	10	4.5	L-05, V-06	240	19	8.4	5	8/3/15 20:16	TPH
Ethyl Acetate	0.60	0.25	0.19		2.1	0.90	0.67	5	8/3/15 20:16	TPH
Ethylbenzene	0.31	0.25	0.069		1.3	1.1	0.30	5	8/3/15 20:16	TPH
4-Ethyltoluene	0.14	0.25	0.056	J	0.66	1.2	0.28	5	8/3/15 20:16	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/3/15 20:16	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/3/15 20:16	TPH
Hexane	3.2	10	0.44	J	11	35	1.6	5	8/3/15 20:16	TPH
2-Hexanone (MBK)	1.2	0.25	0.064		4.8	1.0	0.26	5	8/3/15 20:16	TPH
Isopropanol	59	10	0.31	V-06, L-05	150	25	0.75	5	8/3/15 20:16	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.25	0.077		ND	0.90	0.28	5	8/3/15 20:16	TPH
Methylene Chloride	0.50	2.5	0.30	J	1.7	8.7	1.1	5	8/3/15 20:16	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.25	0.060		ND	1.0	0.25	5	8/3/15 20:16	TPH
Naphthalene	0.18	0.25	0.14	J	0.97	1.3	0.71	5	8/3/15 20:16	TPH
Propene	2.0	10	0.76	J	3.5	17	1.3	5	8/3/15 20:16	TPH
Styrene	0.14	0.25	0.048	J	0.58	1.1	0.21	5	8/3/15 20:16	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/3/15 20:16	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-37
Sample ID: 15G0861-36
Sample Matrix: Soil Gas
Sampled: 7/16/2015 10:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 1432
Canister Size: 1 liter
Flow Controller ID: 4208
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1.7	0.25	0.071		12	1.7	0.48	5	8/3/15 20:16	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/3/15 20:16	TPH
Toluene	0.36	0.25	0.078		1.4	0.94	0.29	5	8/3/15 20:16	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/3/15 20:16	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/3/15 20:16	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/3/15 20:16	TPH
Trichloroethylene	3.2	0.25	0.074		17	1.3	0.40	5	8/3/15 20:16	TPH
Trichlorofluoromethane (Freon 11)	1.7	1.0	0.087		9.6	5.6	0.49	5	8/3/15 20:16	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.1	1.0	0.070	L-05	8.1	7.7	0.54	5	8/3/15 20:16	TPH
1,2,4-Trimethylbenzene	1.7	0.25	0.062		8.4	1.2	0.30	5	8/3/15 20:16	TPH
1,3,5-Trimethylbenzene	0.12	0.25	0.050	J	0.61	1.2	0.25	5	8/3/15 20:16	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/3/15 20:16	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/3/15 20:16	TPH
m&p-Xylene	1.1	0.50	0.13		4.9	2.2	0.55	5	8/3/15 20:16	TPH
o-Xylene	0.50	0.25	0.072		2.2	1.1	0.31	5	8/3/15 20:16	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	99.0	70-130	8/3/15 20:16

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-39
Sample ID: 15G0861-37
Sample Matrix: Soil Gas
Sampled: 7/16/2015 10:44

Sample Description/Location:
Sub Description/Location:
Canister ID: 1552
Canister Size: 1 liter
Flow Controller ID: 4180
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	68	80	28	J	160	190	66	40	7/30/15 4:53	TPH
Benzene	ND	2.0	1.0		ND	6.4	3.3	40	7/30/15 4:53	TPH
Benzyl chloride	ND	2.0	0.39		ND	10	2.0	40	7/30/15 4:53	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/30/15 4:53	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/30/15 4:53	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/30/15 4:53	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/30/15 4:53	TPH
2-Butanone (MEK)	5.9	80	1.5	J	17	240	4.4	40	7/30/15 4:53	TPH
Carbon Disulfide	3.4	20	0.69	J	10	62	2.1	40	7/30/15 4:53	TPH
Carbon Tetrachloride	ND	2.0	0.48		ND	13	3.0	40	7/30/15 4:53	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/30/15 4:53	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/30/15 4:53	TPH
Chloroform	5.1	2.0	0.47		25	9.8	2.3	40	7/30/15 4:53	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/30/15 4:53	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/30/15 4:53	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/30/15 4:53	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/30/15 4:53	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/30/15 4:53	TPH
1,3-Dichlorobenzene	5.4	2.0	0.44		32	12	2.7	40	7/30/15 4:53	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	7/30/15 4:53	TPH
Dichlorodifluoromethane (Freon 12)	6.6	2.0	0.87		33	9.9	4.3	40	7/30/15 4:53	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/30/15 4:53	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/30/15 4:53	TPH
1,1-Dichloroethylene	ND	2.0	0.49		ND	7.9	1.9	40	7/30/15 4:53	TPH
cis-1,2-Dichloroethylene	1.7	2.0	0.76	J	6.8	7.9	3.0	40	7/30/15 4:53	TPH
trans-1,2-Dichloroethylene	0.96	2.0	0.53	J	3.8	7.9	2.1	40	7/30/15 4:53	TPH
1,2-Dichloropropane	ND	2.0	0.69		ND	9.2	3.2	40	7/30/15 4:53	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/30/15 4:53	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/30/15 4:53	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/30/15 4:53	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/30/15 4:53	TPH
Ethanol	81	80	36	L-05, V-06	150	150	67	40	7/30/15 4:53	TPH
Ethyl Acetate	ND	2.0	1.5		ND	7.2	5.4	40	7/30/15 4:53	TPH
Ethylbenzene	ND	2.0	0.55		ND	8.7	2.4	40	7/30/15 4:53	TPH
4-Ethyltoluene	ND	2.0	0.45		ND	9.8	2.2	40	7/30/15 4:53	TPH
Heptane	ND	2.0	0.65		ND	8.2	2.7	40	7/30/15 4:53	TPH
Hexachlorobutadiene	ND	2.0	0.75		ND	21	8.0	40	7/30/15 4:53	TPH
Hexane	17	80	3.5	J	61	280	12	40	7/30/15 4:53	TPH
2-Hexanone (MBK)	ND	2.0	0.51		ND	8.2	2.1	40	7/30/15 4:53	TPH
Isopropanol	640	80	2.5		1600	200	6.0	40	7/30/15 4:53	TPH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.62		ND	7.2	2.2	40	7/30/15 4:53	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/30/15 4:53	TPH
4-Methyl-2-pentanone (MIBK)	ND	2.0	0.48		ND	8.2	2.0	40	7/30/15 4:53	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	7/30/15 4:53	TPH
Propene	10	80	6.1	J	18	140	11	40	7/30/15 4:53	TPH
Styrene	ND	2.0	0.39		ND	8.5	1.7	40	7/30/15 4:53	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/30/15 4:53	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-39
Sample ID: 15G0861-37
Sample Matrix: Soil Gas
Sampled: 7/16/2015 10:44

Sample Description/Location:
Sub Description/Location:
Canister ID: 1552
Canister Size: 1 liter
Flow Controller ID: 4180
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	1.5	2.0	0.57	J	10	14	3.9	40	7/30/15 4:53	TPH
Tetrahydrofuran	ND	2.0	0.84		ND	5.9	2.5	40	7/30/15 4:53	TPH
Toluene	ND	2.0	0.62		ND	7.5	2.3	40	7/30/15 4:53	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/30/15 4:53	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/30/15 4:53	TPH
1,1,2-Trichloroethane	ND	2.0	0.61		ND	11	3.3	40	7/30/15 4:53	TPH
Trichloroethylene	2700	4.0	1.2		15000	21	6.4	80	7/31/15 0:29	TPH
Trichlorofluoromethane (Freon 11)	9.3	8.0	0.70	L-05, V-06	52	45	3.9	40	7/30/15 4:53	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.5	8.0	0.56	J	11	61	4.3	40	7/30/15 4:53	TPH
1,2,4-Trimethylbenzene	2.2	2.0	0.49		11	9.8	2.4	40	7/30/15 4:53	TPH
1,3,5-Trimethylbenzene	ND	2.0	0.40		ND	9.8	2.0	40	7/30/15 4:53	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/30/15 4:53	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/30/15 4:53	TPH
m&p-Xylene	ND	4.0	1.0		ND	17	4.4	40	7/30/15 4:53	TPH
o-Xylene	ND	2.0	0.58		ND	8.7	2.5	40	7/30/15 4:53	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	7/31/15 0:29
4-Bromofluorobenzene (1)	110	70-130	7/30/15 4:53

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-19
Sample ID: 15G0861-38
Sample Matrix: Soil Gas
Sampled: 7/16/2015 11:01

Sample Description/Location:
Sub Description/Location:
Canister ID: 1599
Canister Size: 1 liter
Flow Controller ID: 4103
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Acetone	21	10	3.5	L-05, V-06	49	24	8.2	5	8/3/15 22:14	TPH
Benzene	0.20	0.25	0.13	J	0.62	0.80	0.41	5	8/3/15 22:14	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/3/15 22:14	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/3/15 22:14	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/3/15 22:14	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/3/15 22:14	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/3/15 22:14	TPH
2-Butanone (MEK)	1.9	10	0.19	J	5.7	29	0.55	5	8/3/15 22:14	TPH
Carbon Disulfide	0.56	2.5	0.086	J	1.7	7.8	0.27	5	8/3/15 22:14	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/3/15 22:14	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 22:14	TPH
Chloroethane	ND	0.25	0.095		ND	0.66	0.25	5	8/3/15 22:14	TPH
Chloroform	0.54	0.25	0.058		2.6	1.2	0.29	5	8/3/15 22:14	TPH
Chloromethane	0.45	0.50	0.11	J	0.93	1.0	0.23	5	8/3/15 22:14	TPH
Cyclohexane	0.80	0.25	0.14		2.8	0.86	0.49	5	8/3/15 22:14	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/3/15 22:14	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/3/15 22:14	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/3/15 22:14	TPH
1,3-Dichlorobenzene	1.6	0.25	0.056		9.5	1.5	0.33	5	8/3/15 22:14	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/3/15 22:14	TPH
Dichlorodifluoromethane (Freon 12)	2000	2.0	0.87		9800	9.9	4.3	40	7/30/15 5:28	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/3/15 22:14	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/3/15 22:14	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/3/15 22:14	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/3/15 22:14	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/3/15 22:14	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 22:14	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/3/15 22:14	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/3/15 22:14	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/3/15 22:14	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/3/15 22:14	TPH
Ethanol	59	10	4.5	L-05, V-06	110	19	8.4	5	8/3/15 22:14	TPH
Ethyl Acetate	ND	0.25	0.19		ND	0.90	0.67	5	8/3/15 22:14	TPH
Ethylbenzene	1.8	0.25	0.069		7.9	1.1	0.30	5	8/3/15 22:14	TPH
4-Ethyltoluene	0.17	0.25	0.056	J	0.84	1.2	0.28	5	8/3/15 22:14	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/3/15 22:14	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/3/15 22:14	TPH
Hexane	ND	10	0.44		ND	35	1.6	5	8/3/15 22:14	TPH
2-Hexanone (MBK)	ND	0.25	0.064		ND	1.0	0.26	5	8/3/15 22:14	TPH
Isopropanol	12	10	0.31	L-05, V-06	30	25	0.75	5	8/3/15 22:14	TPH
Methyl tert-Butyl Ether (MTBE)	0.085	0.25	0.077	J	0.31	0.90	0.28	5	8/3/15 22:14	TPH
Methylene Chloride	ND	2.5	0.30		ND	8.7	1.1	5	8/3/15 22:14	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.25	0.060		ND	1.0	0.25	5	8/3/15 22:14	TPH
Naphthalene	3.2	0.25	0.14		17	1.3	0.71	5	8/3/15 22:14	TPH
Propene	1.7	10	0.76	J	3.0	17	1.3	5	8/3/15 22:14	TPH
Styrene	0.080	0.25	0.048	J	0.34	1.1	0.21	5	8/3/15 22:14	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/3/15 22:14	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-19
Sample ID: 15G0861-38
Sample Matrix: Soil Gas
Sampled: 7/16/2015 11:01

Sample Description/Location:
Sub Description/Location:
Canister ID: 1599
Canister Size: 1 liter
Flow Controller ID: 4103
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	0.84	0.25	0.071		5.7	1.7	0.48	5	8/3/15 22:14	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/3/15 22:14	TPH
Toluene	0.34	0.25	0.078		1.3	0.94	0.29	5	8/3/15 22:14	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/3/15 22:14	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/3/15 22:14	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/3/15 22:14	TPH
Trichloroethylene	41	0.25	0.074		220	1.3	0.40	5	8/3/15 22:14	TPH
Trichlorofluoromethane (Freon 11)	0.56	1.0	0.087	J	3.2	5.6	0.49	5	8/3/15 22:14	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.6	1.0	0.070	L-05	20	7.7	0.54	5	8/3/15 22:14	TPH
1,2,4-Trimethylbenzene	0.69	0.25	0.062		3.4	1.2	0.30	5	8/3/15 22:14	TPH
1,3,5-Trimethylbenzene	0.11	0.25	0.050	J	0.54	1.2	0.25	5	8/3/15 22:14	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/3/15 22:14	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/3/15 22:14	TPH
m&p-Xylene	11	0.50	0.13		47	2.2	0.55	5	8/3/15 22:14	TPH
o-Xylene	4.0	0.25	0.072		17	1.1	0.31	5	8/3/15 22:14	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	8/3/15 22:14
4-Bromofluorobenzene (1)	113	70-130	7/30/15 5:28

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-20
Sample ID: 15G0861-39
Sample Matrix: Soil Gas
Sampled: 7/16/2015 11:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1541
Canister Size: 1 liter
Flow Controller ID: 4104
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	51	10	3.5	L-05, V-06	120	24	8.2	5	8/3/15 22:54	TPH
Benzene	0.26	0.25	0.13		0.85	0.80	0.41	5	8/3/15 22:54	TPH
Benzyl chloride	ND	0.25	0.048		ND	1.3	0.25	5	8/3/15 22:54	TPH
Bromodichloromethane	ND	0.25	0.054		ND	1.7	0.37	5	8/3/15 22:54	TPH
Bromoform	ND	0.25	0.048		ND	2.6	0.50	5	8/3/15 22:54	TPH
Bromomethane	ND	0.25	0.17		ND	0.97	0.67	5	8/3/15 22:54	TPH
1,3-Butadiene	ND	0.25	0.13		ND	0.55	0.28	5	8/3/15 22:54	TPH
2-Butanone (MEK)	3.2	10	0.19	J	9.3	29	0.55	5	8/3/15 22:54	TPH
Carbon Disulfide	0.97	2.5	0.086	J	3.0	7.8	0.27	5	8/3/15 22:54	TPH
Carbon Tetrachloride	ND	0.25	0.060		ND	1.6	0.38	5	8/3/15 22:54	TPH
Chlorobenzene	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 22:54	TPH
Chloroethane	0.31	0.25	0.095		0.82	0.66	0.25	5	8/3/15 22:54	TPH
Chloroform	0.34	0.25	0.058		1.7	1.2	0.29	5	8/3/15 22:54	TPH
Chloromethane	4.8	0.50	0.11		9.8	1.0	0.23	5	8/3/15 22:54	TPH
Cyclohexane	0.66	0.25	0.14		2.3	0.86	0.49	5	8/3/15 22:54	TPH
Dibromochloromethane	ND	0.25	0.066		ND	2.1	0.57	5	8/3/15 22:54	TPH
1,2-Dibromoethane (EDB)	ND	0.25	0.056		ND	1.9	0.43	5	8/3/15 22:54	TPH
1,2-Dichlorobenzene	ND	0.25	0.066		ND	1.5	0.40	5	8/3/15 22:54	TPH
1,3-Dichlorobenzene	0.56	0.25	0.056		3.4	1.5	0.33	5	8/3/15 22:54	TPH
1,4-Dichlorobenzene	ND	0.25	0.063		ND	1.5	0.38	5	8/3/15 22:54	TPH
Dichlorodifluoromethane (Freon 12)	1800	2.0	0.87		9100	9.9	4.3	40	7/30/15 20:23	TPH
1,1-Dichloroethane	ND	0.25	0.070		ND	1.0	0.29	5	8/3/15 22:54	TPH
1,2-Dichloroethane	ND	0.25	0.070		ND	1.0	0.28	5	8/3/15 22:54	TPH
1,1-Dichloroethylene	ND	0.25	0.061		ND	0.99	0.24	5	8/3/15 22:54	TPH
cis-1,2-Dichloroethylene	ND	0.25	0.094		ND	0.99	0.37	5	8/3/15 22:54	TPH
trans-1,2-Dichloroethylene	ND	0.25	0.066		ND	0.99	0.26	5	8/3/15 22:54	TPH
1,2-Dichloropropane	ND	0.25	0.086		ND	1.2	0.40	5	8/3/15 22:54	TPH
cis-1,3-Dichloropropene	ND	0.25	0.066		ND	1.1	0.30	5	8/3/15 22:54	TPH
trans-1,3-Dichloropropene	ND	0.25	0.067		ND	1.1	0.30	5	8/3/15 22:54	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.25	0.060		ND	1.7	0.42	5	8/3/15 22:54	TPH
1,4-Dioxane	ND	2.5	1.6		ND	9.0	5.8	5	8/3/15 22:54	TPH
Ethanol	66	10	4.5	L-05, V-06	120	19	8.4	5	8/3/15 22:54	TPH
Ethyl Acetate	0.76	0.25	0.19		2.7	0.90	0.67	5	8/3/15 22:54	TPH
Ethylbenzene	2.3	0.25	0.069		9.8	1.1	0.30	5	8/3/15 22:54	TPH
4-Ethyltoluene	0.12	0.25	0.056	J	0.59	1.2	0.28	5	8/3/15 22:54	TPH
Heptane	ND	0.25	0.081		ND	1.0	0.33	5	8/3/15 22:54	TPH
Hexachlorobutadiene	ND	0.25	0.094		ND	2.7	1.0	5	8/3/15 22:54	TPH
Hexane	ND	10	0.44		ND	35	1.6	5	8/3/15 22:54	TPH
2-Hexanone (MBK)	ND	0.25	0.064		ND	1.0	0.26	5	8/3/15 22:54	TPH
Isopropanol	8.6	10	0.31	L-05, V-06, J	21	25	0.75	5	8/3/15 22:54	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.25	0.077		ND	0.90	0.28	5	8/3/15 22:54	TPH
Methylene Chloride	0.35	2.5	0.30	J	1.2	8.7	1.1	5	8/3/15 22:54	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.25	0.060		ND	1.0	0.25	5	8/3/15 22:54	TPH
Naphthalene	3.0	0.25	0.14		16	1.3	0.71	5	8/3/15 22:54	TPH
Propene	2.1	10	0.76	J	3.7	17	1.3	5	8/3/15 22:54	TPH
Styrene	0.090	0.25	0.048	J	0.38	1.1	0.21	5	8/3/15 22:54	TPH
1,1,2,2-Tetrachloroethane	ND	0.25	0.060		ND	1.7	0.41	5	8/3/15 22:54	TPH

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-20
Sample ID: 15G0861-39
Sample Matrix: Soil Gas
Sampled: 7/16/2015 11:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1541
Canister Size: 1 liter
Flow Controller ID: 4104
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	8.2	0.25	0.071		55	1.7	0.48	5	8/3/15 22:54	TPH
Tetrahydrofuran	ND	0.25	0.10		ND	0.74	0.31	5	8/3/15 22:54	TPH
Toluene	0.51	0.25	0.078		1.9	0.94	0.29	5	8/3/15 22:54	TPH
1,2,4-Trichlorobenzene	ND	0.25	0.094		ND	1.9	0.70	5	8/3/15 22:54	TPH
1,1,1-Trichloroethane	ND	0.25	0.045		ND	1.4	0.25	5	8/3/15 22:54	TPH
1,1,2-Trichloroethane	ND	0.25	0.076		ND	1.4	0.41	5	8/3/15 22:54	TPH
Trichloroethylene	110	0.25	0.074		570	1.3	0.40	5	8/3/15 22:54	TPH
Trichlorofluoromethane (Freon 11)	0.38	1.0	0.087	J	2.1	5.6	0.49	5	8/3/15 22:54	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.4	1.0	0.070	L-05	11	7.7	0.54	5	8/3/15 22:54	TPH
1,2,4-Trimethylbenzene	0.43	0.25	0.062		2.1	1.2	0.30	5	8/3/15 22:54	TPH
1,3,5-Trimethylbenzene	0.095	0.25	0.050	J	0.47	1.2	0.25	5	8/3/15 22:54	TPH
Vinyl Acetate	ND	5.0	0.13		ND	18	0.45	5	8/3/15 22:54	TPH
Vinyl Chloride	ND	0.25	0.11		ND	0.64	0.27	5	8/3/15 22:54	TPH
m&p-Xylene	12	0.50	0.13		51	2.2	0.55	5	8/3/15 22:54	TPH
o-Xylene	4.4	0.25	0.072		19	1.1	0.31	5	8/3/15 22:54	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	115	70-130	7/30/15 20:23
4-Bromofluorobenzene (1)	102	70-130	8/3/15 22:54

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ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-38
Sample ID: 15G0861-40
Sample Matrix: Soil Gas
Sampled: 7/16/2015 10:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 1604
Canister Size: 1 liter
Flow Controller ID: 4181
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	110	80	28		260	190	66	40	7/30/15 20:58	TPH
Benzene	ND	2.0	1.0		ND	6.4	3.3	40	7/30/15 20:58	TPH
Benzyl chloride	ND	2.0	0.39	L-03	ND	10	2.0	40	7/30/15 20:58	TPH
Bromodichloromethane	ND	2.0	0.44		ND	13	2.9	40	7/30/15 20:58	TPH
Bromoform	ND	2.0	0.38		ND	21	4.0	40	7/30/15 20:58	TPH
Bromomethane	ND	2.0	1.4		ND	7.8	5.3	40	7/30/15 20:58	TPH
1,3-Butadiene	ND	2.0	1.0		ND	4.4	2.3	40	7/30/15 20:58	TPH
2-Butanone (MEK)	7.4	80	1.5	J	22	240	4.4	40	7/30/15 20:58	TPH
Carbon Disulfide	ND	20	0.69		ND	62	2.1	40	7/30/15 20:58	TPH
Carbon Tetrachloride	ND	2.0	0.48		ND	13	3.0	40	7/30/15 20:58	TPH
Chlorobenzene	ND	2.0	0.69		ND	9.2	3.2	40	7/30/15 20:58	TPH
Chloroethane	ND	2.0	0.76		ND	5.3	2.0	40	7/30/15 20:58	TPH
Chloroform	1.6	2.0	0.47	J	7.6	9.8	2.3	40	7/30/15 20:58	TPH
Chloromethane	ND	4.0	0.88		ND	8.3	1.8	40	7/30/15 20:58	TPH
Cyclohexane	ND	2.0	1.1	L-03	ND	6.9	4.0	40	7/30/15 20:58	TPH
Dibromochloromethane	ND	2.0	0.53		ND	17	4.5	40	7/30/15 20:58	TPH
1,2-Dibromoethane (EDB)	ND	2.0	0.45		ND	15	3.4	40	7/30/15 20:58	TPH
1,2-Dichlorobenzene	ND	2.0	0.53		ND	12	3.2	40	7/30/15 20:58	TPH
1,3-Dichlorobenzene	2.0	2.0	0.44		12	12	2.7	40	7/30/15 20:58	TPH
1,4-Dichlorobenzene	ND	2.0	0.50		ND	12	3.0	40	7/30/15 20:58	TPH
Dichlorodifluoromethane (Freon 12)	8.4	2.0	0.87		42	9.9	4.3	40	7/30/15 20:58	TPH
1,1-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/30/15 20:58	TPH
1,2-Dichloroethane	ND	2.0	0.56		ND	8.1	2.3	40	7/30/15 20:58	TPH
1,1-Dichloroethylene	ND	2.0	0.49		ND	7.9	1.9	40	7/30/15 20:58	TPH
cis-1,2-Dichloroethylene	0.76	2.0	0.76	J	3.0	7.9	3.0	40	7/30/15 20:58	TPH
trans-1,2-Dichloroethylene	0.88	2.0	0.53	J	3.5	7.9	2.1	40	7/30/15 20:58	TPH
1,2-Dichloropropane	ND	2.0	0.69	L-03	ND	9.2	3.2	40	7/30/15 20:58	TPH
cis-1,3-Dichloropropene	ND	2.0	0.53		ND	9.1	2.4	40	7/30/15 20:58	TPH
trans-1,3-Dichloropropene	ND	2.0	0.54		ND	9.1	2.4	40	7/30/15 20:58	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0	0.48		ND	14	3.3	40	7/30/15 20:58	TPH
1,4-Dioxane	ND	20	13		ND	72	46	40	7/30/15 20:58	TPH
Ethanol	250	80	36	L-05, V-06	470	150	67	40	7/30/15 20:58	TPH
Ethyl Acetate	ND	2.0	1.5		ND	7.2	5.4	40	7/30/15 20:58	TPH
Ethylbenzene	ND	2.0	0.55		ND	8.7	2.4	40	7/30/15 20:58	TPH
4-Ethyltoluene	ND	2.0	0.45		ND	9.8	2.2	40	7/30/15 20:58	TPH
Heptane	ND	2.0	0.65		ND	8.2	2.7	40	7/30/15 20:58	TPH
Hexachlorobutadiene	1.6	2.0	0.75	J	17	21	8.0	40	7/30/15 20:58	TPH
Hexane	ND	80	3.5		ND	280	12	40	7/30/15 20:58	TPH
2-Hexanone (MBK)	ND	2.0	0.51		ND	8.2	2.1	40	7/30/15 20:58	TPH
Isopropanol	38	80	2.5	J	93	200	6.0	40	7/30/15 20:58	TPH
Methyl tert-Butyl Ether (MTBE)	10	2.0	0.62	L-03	37	7.2	2.2	40	7/30/15 20:58	TPH
Methylene Chloride	ND	20	2.4		ND	69	8.4	40	7/30/15 20:58	TPH
4-Methyl-2-pentanone (MIBK)	ND	2.0	0.48		ND	8.2	2.0	40	7/30/15 20:58	TPH
Naphthalene	ND	2.0	1.1		ND	10	5.7	40	7/30/15 20:58	TPH
Propene	ND	80	6.1		ND	140	11	40	7/30/15 20:58	TPH
Styrene	ND	2.0	0.39		ND	8.5	1.7	40	7/30/15 20:58	TPH
1,1,2,2-Tetrachloroethane	ND	2.0	0.48		ND	14	3.3	40	7/30/15 20:58	TPH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: AVX Raleigh, NC
Date Received: 7/17/2015
Field Sample #: VP-38
Sample ID: 15G0861-40
Sample Matrix: Soil Gas
Sampled: 7/16/2015 10:43

Sample Description/Location:
Sub Description/Location:
Canister ID: 1604
Canister Size: 1 liter
Flow Controller ID: 4181
Sample Type: Grab

Work Order: 15G0861
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Tetrachloroethylene	9.3	2.0	0.57		63	14	3.9	40	7/30/15 20:58	TPH
Tetrahydrofuran	ND	2.0	0.84		ND	5.9	2.5	40	7/30/15 20:58	TPH
Toluene	ND	2.0	0.62		ND	7.5	2.3	40	7/30/15 20:58	TPH
1,2,4-Trichlorobenzene	ND	2.0	0.76		ND	15	5.6	40	7/30/15 20:58	TPH
1,1,1-Trichloroethane	ND	2.0	0.36		ND	11	2.0	40	7/30/15 20:58	TPH
1,1,2-Trichloroethane	ND	2.0	0.61		ND	11	3.3	40	7/30/15 20:58	TPH
Trichloroethylene	6400	20	5.9		34000	110	32	400	7/31/15 8:09	TPH
Trichlorofluoromethane (Freon 11)	4.0	8.0	0.70	V-06, L-05, J	22	45	3.9	40	7/30/15 20:58	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.7	8.0	0.56		74	61	4.3	40	7/30/15 20:58	TPH
1,2,4-Trimethylbenzene	1.1	2.0	0.49	J	5.3	9.8	2.4	40	7/30/15 20:58	TPH
1,3,5-Trimethylbenzene	ND	2.0	0.40		ND	9.8	2.0	40	7/30/15 20:58	TPH
Vinyl Acetate	ND	40	1.0		ND	140	3.6	40	7/30/15 20:58	TPH
Vinyl Chloride	ND	2.0	0.86		ND	5.1	2.2	40	7/30/15 20:58	TPH
m&p-Xylene	ND	4.0	1.0		ND	17	4.4	40	7/30/15 20:58	TPH
o-Xylene	ND	2.0	0.58		ND	8.7	2.5	40	7/30/15 20:58	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	113	70-130	7/30/15 20:58
4-Bromofluorobenzene (1)	113	70-130	7/31/15 8:09

con-test® ANALYTICAL LABORATORY
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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
15G0861-01 [VP-11]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-02 [VP-12]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-03 [VP-13]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-04 [VP-10]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-06 [VP-8]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-11 [VP-3]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-26 [VP-23]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-27 [VP-29]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-28 [VP-24]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-29 [VP-26]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-30 [VP-28]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-32 [VP-36]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-33 [VP-25]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-34 [VP-27]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-35 [VP-35]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-36 [VP-37]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-38 [VP-19]	B127857	2	1	N/A	1000	400	160	08/03/15
15G0861-39 [VP-20]	B127857	2	1	N/A	1000	400	160	08/03/15

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
15G0861-09 [VP-5]	B127858	2	1	N/A	1000	400	160	07/31/15
15G0861-14 [VP-18]	B127858	2	1	N/A	1000	400	160	07/31/15
15G0861-15 [VP-17]	B127858	2	1	N/A	1000	400	160	07/31/15
15G0861-16 [VP-16]	B127858	2	1	N/A	1000	400	160	07/31/15
15G0861-17 [VP-15]	B127858	2	1	N/A	1000	400	160	07/31/15
15G0861-18 [VP-14]	B127858	2	1	N/A	1000	400	160	07/31/15

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
15G0861-02RE1 [VP-12]	B127859	2	1	N/A	1000	400	10	07/30/15
15G0861-05RE1 [VP-9]	B127859	2	200	5	1000	400	400	07/30/15
15G0861-06RE1 [VP-8]	B127859	2	1	N/A	1000	400	10	07/30/15
15G0861-07RE1 [VP-7]	B127859	2	1	N/A	1000	400	10	07/30/15
15G0861-10RE1 [VP-4]	B127859	2	200	5	1000	400	400	07/30/15
15G0861-12RE1 [VP-2]	B127859	2	200	5	1000	400	400	07/30/15
15G0861-19RE1 [VP-32]	B127859	2	200	5	1000	400	100	07/30/15
15G0861-20RE1 [VP-40]	B127859	2	200	5	1000	400	100	07/30/15
15G0861-21RE1 [VP-33]	B127859	2	200	5	1000	400	400	07/30/15
15G0861-22RE1 [VP-21]	B127859	2	200	5	1000	400	200	07/30/15
15G0861-23RE1 [VP-22]	B127859	2	1	N/A	1000	400	10	07/30/15
15G0861-24RE1 [VP-31]	B127859	2	200	5	1000	400	40	07/30/15
15G0861-25RE1 [VP-30]	B127859	2	200	5	1000	400	100	07/30/15
15G0861-31RE1 [VP-34]	B127859	2	200	5	1000	400	400	07/30/15

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
15G0861-37RE1 [VP-39]	B127859	2	1	N/A	1000	400	10	07/30/15
15G0861-39RE1 [VP-20]	B127859	2	1	N/A	1000	400	20	07/30/15
15G0861-40 [VP-38]	B127859	2	1	N/A	1000	400	20	07/30/15
15G0861-40RE1 [VP-38]	B127859	2	200	5	1000	400	400	07/30/15

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
15G0861-21 [VP-33]	B127860	2	1	N/A	1000	400	20	07/29/15
15G0861-22 [VP-21]	B127860	2	1	N/A	1000	400	20	07/29/15
15G0861-23 [VP-22]	B127860	2	1	N/A	1000	400	20	07/29/15
15G0861-24 [VP-31]	B127860	2	1	N/A	1000	400	20	07/29/15
15G0861-25 [VP-30]	B127860	2	1	N/A	1000	400	20	07/29/15
15G0861-26RE1 [VP-23]	B127860	2	1	N/A	1000	400	20	07/29/15
15G0861-27RE1 [VP-29]	B127860	2	1	N/A	1000	400	20	07/29/15
15G0861-28RE1 [VP-24]	B127860	2	1	N/A	1000	400	20	07/29/15
15G0861-31 [VP-34]	B127860	2	1	N/A	1000	400	20	07/29/15
15G0861-37 [VP-39]	B127860	2	1	N/A	1000	400	20	07/29/15
15G0861-38RE1 [VP-19]	B127860	2	1	N/A	1000	400	20	07/29/15

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
15G0861-01RE1 [VP-11]	B127861	2	1	N/A	1000	400	20	07/28/15
15G0861-03RE1 [VP-13]	B127861	2	1	N/A	1000	400	20	07/28/15
15G0861-04RE1 [VP-10]	B127861	2	1	N/A	1000	400	20	07/28/15
15G0861-05 [VP-9]	B127861	2	1	N/A	1000	400	20	07/28/15
15G0861-07 [VP-7]	B127861	2	1	N/A	1000	400	20	07/28/15
15G0861-08 [VP-6]	B127861	2	1	N/A	1000	400	20	07/28/15
15G0861-09RE1 [VP-5]	B127861	2	1	N/A	1000	400	20	07/28/15
15G0861-10 [VP-4]	B127861	2	1	N/A	1000	400	20	07/28/15
15G0861-11RE1 [VP-3]	B127861	2	1	N/A	1000	400	20	07/28/15
15G0861-12 [VP-2]	B127861	2	1	N/A	1000	400	20	07/28/15
15G0861-13 [VP-1]	B127861	2	1	N/A	1000	400	20	07/28/15
15G0861-19 [VP-32]	B127861	2	1	N/A	1000	400	20	07/28/15
15G0861-20 [VP-40]	B127861	2	1	N/A	1000	400	20	07/28/15

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B127857 - TO-15 Prep											
Blank (B127857-BLK1)					Prepared & Analyzed: 08/03/15						
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									
Ethyl Acetate	ND	0.035									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B127857 - TO-15 Prep												
Blank (B127857-BLK1)					Prepared & Analyzed: 08/03/15							
1,1,2,2-Tetrachloroethane	ND	0.035										
Tetrachloroethylene	ND	0.035										
Tetrahydrofuran	ND	0.035										
Toluene	ND	0.035										
1,2,4-Trichlorobenzene	ND	0.035										
1,1,1-Trichloroethane	ND	0.035										
1,1,2-Trichloroethane	ND	0.035										
Trichloroethylene	ND	0.035										
Trichlorofluoromethane (Freon 11)	ND	0.14										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14										
1,2,4-Trimethylbenzene	ND	0.035										
1,3,5-Trimethylbenzene	ND	0.035										
Vinyl Acetate	ND	0.70										
Vinyl Chloride	ND	0.035										
m&p-Xylene	ND	0.070										
o-Xylene	ND	0.035										
Surrogate: 4-Bromofluorobenzene (1)	*8.01*				*8.00*		*100*		*70-130*			
LCS (B127857-BS1)					Prepared & Analyzed: 08/03/15							
Acetone	7.64				5.00		**153**	*	70-130			L-05, V-06
Benzene	5.43				5.00		109		70-130			
Benzyl chloride	6.43				5.00		129		70-130			
Bromodichloromethane	5.94				5.00		119		70-130			
Bromoform	6.19				5.00		124		70-130			
Bromomethane	4.81				5.00		96.2		70-130			
1,3-Butadiene	5.18				5.00		104		70-130			
2-Butanone (MEK)	5.41				5.00		108		70-130			
Carbon Disulfide	6.38				5.00		128		70-130			
Carbon Tetrachloride	5.81				5.00		116		70-130			
Chlorobenzene	5.82				5.00		116		70-130			
Chloroethane	5.47				5.00		109		70-130			
Chloroform	6.36				5.00		127		70-130			
Chloromethane	5.31				5.00		106		70-130			
Cyclohexane	5.56				5.00		111		70-130			
Dibromochloromethane	5.86				5.00		117		70-130			
1,2-Dibromoethane (EDB)	5.96				5.00		119		70-130			
1,2-Dichlorobenzene	6.49				5.00		130		70-130			
1,3-Dichlorobenzene	6.46				5.00		129		70-130			
1,4-Dichlorobenzene	6.28				5.00		126		70-130			
Dichlorodifluoromethane (Freon 12)	6.55				5.00		**131**	*	70-130			L-05
1,1-Dichloroethane	6.17				5.00		123		70-130			
1,2-Dichloroethane	5.91				5.00		118		70-130			
1,1-Dichloroethylene	6.25				5.00		125		70-130			
cis-1,2-Dichloroethylene	6.17				5.00		123		70-130			
trans-1,2-Dichloroethylene	5.97				5.00		119		70-130			
1,2-Dichloropropane	5.82				5.00		116		70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B127857 - TO-15 Prep												
LCS (B127857-BS1)					Prepared & Analyzed: 08/03/15							
cis-1,3-Dichloropropene	6.17				5.00		123		70-130			
trans-1,3-Dichloropropene	5.66				5.00		113		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.21				5.00		104		70-130			
1,4-Dioxane	6.23				5.00		125		70-130			
Ethanol	7.84				5.00		**157**	*	70-130			V-06, L-05
Ethyl Acetate	5.56				5.00		111		70-130			
Ethylbenzene	5.74				5.00		115		70-130			
4-Ethyltoluene	6.04				5.00		121		70-130			
Heptane	5.61				5.00		112		70-130			
Hexachlorobutadiene	6.96				5.00		**139**	*	70-130			L-01
Hexane	5.62				5.00		112		70-130			
2-Hexanone (MBK)	5.09				5.00		102		70-130			
Isopropanol	8.35				5.00		**167**	*	70-130			L-05, V-06
Methyl tert-Butyl Ether (MTBE)	5.78				5.00		116		70-130			
Methylene Chloride	5.80				5.00		116		70-130			
4-Methyl-2-pentanone (MIBK)	5.30				5.00		106		70-130			
Naphthalene	6.11				5.00		122		70-130			
Propene	5.95				5.00		119		70-130			
Styrene	5.78				5.00		116		70-130			
1,1,2,2-Tetrachloroethane	6.59				5.00		**132**	*	70-130			L-01
Tetrachloroethylene	5.62				5.00		112		70-130			
Tetrahydrofuran	5.71				5.00		114		70-130			
Toluene	5.68				5.00		114		70-130			
1,2,4-Trichlorobenzene	7.31				5.00		**146**	*	70-130			L-01
1,1,1-Trichloroethane	5.42				5.00		108		70-130			
1,1,2-Trichloroethane	5.94				5.00		119		70-130			
Trichloroethylene	5.82				5.00		116		70-130			
Trichlorofluoromethane (Freon 11)	6.21				5.00		124		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	6.87				5.00		**137**	*	70-130			L-05
1,2,4-Trimethylbenzene	6.35				5.00		127		70-130			
1,3,5-Trimethylbenzene	6.19				5.00		124		70-130			
Vinyl Acetate	5.96				5.00		119		70-130			
Vinyl Chloride	5.31				5.00		106		70-130			
m&p-Xylene	12.6				10.0		126		70-130			
o-Xylene	5.80				5.00		116		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.32*				*8.00*		*104*		*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B127858 - TO-15 Prep											
Blank (B127858-BLK1)					Prepared & Analyzed: 07/31/15						
Acetone	0.54	1.0									J
Benzene	ND	0.025									
Benzyl chloride	ND	0.025									L-03
Bromodichloromethane	ND	0.025									
Bromoform	ND	0.025									
Bromomethane	ND	0.025									
1,3-Butadiene	ND	0.025									
2-Butanone (MEK)	ND	1.0									
Carbon Disulfide	ND	0.25									
Carbon Tetrachloride	ND	0.025									
Chlorobenzene	ND	0.025									
Chloroethane	ND	0.025									
Chloroform	ND	0.025									
Chloromethane	ND	0.050									
Cyclohexane	ND	0.025									L-03
Dibromochloromethane	ND	0.025									
1,2-Dibromoethane (EDB)	ND	0.025									
1,2-Dichlorobenzene	ND	0.025									
1,3-Dichlorobenzene	ND	0.025									
1,4-Dichlorobenzene	ND	0.025									
Dichlorodifluoromethane (Freon 12)	ND	0.025									
1,1-Dichloroethane	ND	0.025									
1,2-Dichloroethane	ND	0.025									
1,1-Dichloroethylene	ND	0.025									
cis-1,2-Dichloroethylene	ND	0.025									
trans-1,2-Dichloroethylene	ND	0.025									
1,2-Dichloropropane	ND	0.025									
cis-1,3-Dichloropropene	ND	0.025									
trans-1,3-Dichloropropene	ND	0.025									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.025									
1,4-Dioxane	ND	0.25									
Ethanol	ND	1.0									
Ethyl Acetate	ND	0.025									
Ethylbenzene	ND	0.025									
4-Ethyltoluene	ND	0.025									
Heptane	ND	0.025									
Hexachlorobutadiene	ND	0.025									
Hexane	0.24	1.0									J
2-Hexanone (MBK)	ND	0.025									
Isopropanol	ND	1.0									
Methyl tert-Butyl Ether (MTBE)	ND	0.025									
Methylene Chloride	0.17	0.25									J
4-Methyl-2-pentanone (MIBK)	ND	0.025									
Naphthalene	ND	0.025									
Propene	ND	1.0									
Styrene	ND	0.025									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B127858 - TO-15 Prep												
Blank (B127858-BLK1)					Prepared & Analyzed: 07/31/15							
1,1,2,2-Tetrachloroethane	ND	0.025										
Tetrachloroethylene	ND	0.025										
Tetrahydrofuran	ND	0.025										
Toluene	ND	0.025										
1,2,4-Trichlorobenzene	ND	0.025										
1,1,1-Trichloroethane	ND	0.025										
1,1,2-Trichloroethane	ND	0.025										
Trichloroethylene	ND	0.025										
Trichlorofluoromethane (Freon 11)	ND	0.10										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10										V-06
1,2,4-Trimethylbenzene	ND	0.025										
1,3,5-Trimethylbenzene	ND	0.025										
Vinyl Acetate	ND	0.50										
Vinyl Chloride	ND	0.025										
m&p-Xylene	ND	0.050										
o-Xylene	ND	0.025										
Surrogate: 4-Bromofluorobenzene (1)	*8.93*				*8.00*		*112*		*70-130*			
LCS (B127858-BS1)					Prepared & Analyzed: 07/31/15							
Acetone	4.13				5.00		82.5		70-130			
Benzene	3.73				5.00		74.6		70-130			
Benzyl chloride	3.27				5.00		**65.4**	*	70-130			L-03
Bromodichloromethane	3.91				5.00		78.2		70-130			
Bromoform	5.31				5.00		106		70-130			
Bromomethane	6.89				5.00		**138**	*	70-130			L-05, V-06
1,3-Butadiene	5.31				5.00		106		70-130			
2-Butanone (MEK)	4.67				5.00		93.4		70-130			
Carbon Disulfide	3.90				5.00		78.0		70-130			
Carbon Tetrachloride	4.05				5.00		81.0		70-130			
Chlorobenzene	5.17				5.00		103		70-130			
Chloroethane	6.22				5.00		124		70-130			
Chloroform	4.47				5.00		89.5		70-130			
Chloromethane	5.15				5.00		103		70-130			
Cyclohexane	3.30				5.00		**65.9**	*	70-130			L-03
Dibromochloromethane	5.02				5.00		100		70-130			
1,2-Dibromoethane (EDB)	4.54				5.00		90.7		70-130			
1,2-Dichlorobenzene	5.29				5.00		106		70-130			
1,3-Dichlorobenzene	5.54				5.00		111		70-130			
1,4-Dichlorobenzene	5.45				5.00		109		70-130			
Dichlorodifluoromethane (Freon 12)	5.25				5.00		105		70-130			
1,1-Dichloroethane	4.13				5.00		82.5		70-130			
1,2-Dichloroethane	4.14				5.00		82.8		70-130			
1,1-Dichloroethylene	4.27				5.00		85.4		70-130			
cis-1,2-Dichloroethylene	4.20				5.00		84.0		70-130			
trans-1,2-Dichloroethylene	3.82				5.00		76.4		70-130			
1,2-Dichloropropane	3.54				5.00		70.7		70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B127858 - TO-15 Prep												
LCS (B127858-BS1)					Prepared & Analyzed: 07/31/15							
cis-1,3-Dichloropropene	3.60				5.00		71.9		70-130			
trans-1,3-Dichloropropene	3.70				5.00		74.0		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	6.47				5.00		129		70-130			
1,4-Dioxane	4.29				5.00		85.7		70-130			
Ethanol	7.33				5.00		**147**	*	70-130			L-05, V-06
Ethyl Acetate	6.08				5.00		122		70-130			
Ethylbenzene	4.84				5.00		96.7		70-130			
4-Ethyltoluene	4.80				5.00		96.1		70-130			
Heptane	3.99				5.00		79.9		70-130			
Hexachlorobutadiene	6.08				5.00		122		70-130			
Hexane	4.54				5.00		90.9		70-130			
2-Hexanone (MBK)	4.65				5.00		93.1		70-130			
Isopropanol	4.26				5.00		85.3		70-130			
Methyl tert-Butyl Ether (MTBE)	3.56				5.00		71.1		70-130			
Methylene Chloride	4.89				5.00		97.9		70-130			
4-Methyl-2-pentanone (MIBK)	4.20				5.00		84.0		70-130			
Naphthalene	5.80				5.00		116		70-130			
Propene	5.32				5.00		106		70-130			
Styrene	5.05				5.00		101		70-130			
1,1,2,2-Tetrachloroethane	4.70				5.00		94.0		70-130			
Tetrachloroethylene	4.50				5.00		89.9		70-130			
Tetrahydrofuran	4.68				5.00		93.6		70-130			
Toluene	4.35				5.00		87.0		70-130			
1,2,4-Trichlorobenzene	5.98				5.00		120		70-130			
1,1,1-Trichloroethane	3.56				5.00		71.2		70-130			
1,1,2-Trichloroethane	4.38				5.00		87.6		70-130			
Trichloroethylene	3.80				5.00		76.1		70-130			
Trichlorofluoromethane (Freon 11)	6.96				5.00		**139**	*	70-130			L-05, V-06
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.89				5.00		97.7		70-130			V-06
1,2,4-Trimethylbenzene	4.79				5.00		95.8		70-130			
1,3,5-Trimethylbenzene	4.66				5.00		93.3		70-130			
Vinyl Acetate	4.42				5.00		88.4		70-130			
Vinyl Chloride	5.91				5.00		118		70-130			
m&p-Xylene	10.3				10.0		103		70-130			
o-Xylene	4.73				5.00		94.6		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*9.11*				*8.00*		*114*		*70-130*			

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B127859 - TO-15 Prep											
Blank (B127859-BLK1)					Prepared & Analyzed: 07/30/15						
Acetone	0.59	1.0									J
Benzene	ND	0.025									
Benzyl chloride	ND	0.025									L-03
Bromodichloromethane	ND	0.025									
Bromoform	ND	0.025									
Bromomethane	ND	0.025									
1,3-Butadiene	ND	0.025									
2-Butanone (MEK)	ND	1.0									
Carbon Disulfide	ND	0.25									
Carbon Tetrachloride	ND	0.025									
Chlorobenzene	ND	0.025									
Chloroethane	ND	0.025									
Chloroform	ND	0.025									
Chloromethane	ND	0.050									
Cyclohexane	ND	0.025									L-03
Dibromochloromethane	ND	0.025									
1,2-Dibromoethane (EDB)	ND	0.025									
1,2-Dichlorobenzene	ND	0.025									
1,3-Dichlorobenzene	ND	0.025									
1,4-Dichlorobenzene	ND	0.025									
Dichlorodifluoromethane (Freon 12)	ND	0.025									
1,1-Dichloroethane	ND	0.025									
1,2-Dichloroethane	ND	0.025									
1,1-Dichloroethylene	ND	0.025									
cis-1,2-Dichloroethylene	ND	0.025									
trans-1,2-Dichloroethylene	ND	0.025									
1,2-Dichloropropane	ND	0.025									L-03
cis-1,3-Dichloropropene	ND	0.025									
trans-1,3-Dichloropropene	ND	0.025									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.025									
1,4-Dioxane	ND	0.25									
Ethanol	ND	1.0									
Ethyl Acetate	ND	0.025									
Ethylbenzene	ND	0.025									
4-Ethyltoluene	ND	0.025									
Heptane	ND	0.025									
Hexachlorobutadiene	ND	0.025									
Hexane	0.28	1.0									J
2-Hexanone (MBK)	ND	0.025									
Isopropanol	ND	1.0									
Methyl tert-Butyl Ether (MTBE)	ND	0.025									L-03
Methylene Chloride	0.19	0.25									J
4-Methyl-2-pentanone (MIBK)	ND	0.025									
Naphthalene	ND	0.025									
Propene	ND	1.0									
Styrene	ND	0.025									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B127859 - TO-15 Prep												
Blank (B127859-BLK1)					Prepared & Analyzed: 07/30/15							
1,1,2,2-Tetrachloroethane	ND	0.025										
Tetrachloroethylene	ND	0.025										
Tetrahydrofuran	ND	0.025										
Toluene	ND	0.025										
1,2,4-Trichlorobenzene	ND	0.025										
1,1,1-Trichloroethane	ND	0.025										
1,1,2-Trichloroethane	ND	0.025										
Trichloroethylene	ND	0.025										
Trichlorofluoromethane (Freon 11)	ND	0.10										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10										
1,2,4-Trimethylbenzene	ND	0.025										
1,3,5-Trimethylbenzene	ND	0.025										
Vinyl Acetate	ND	0.50										
Vinyl Chloride	ND	0.025										
m&p-Xylene	ND	0.050										
o-Xylene	ND	0.025										
Surrogate: 4-Bromofluorobenzene (1)	*8.92*				*8.00*		*112*		*70-130*			
LCS (B127859-BS1)					Prepared & Analyzed: 07/30/15							
Acetone	4.17				5.00		83.4		70-130			
Benzene	3.60				5.00		72.0		70-130			
Benzyl chloride	3.47				5.00		**69.4**	*	70-130			L-03
Bromodichloromethane	4.01				5.00		80.2		70-130			
Bromoform	5.73				5.00		115		70-130			
Bromomethane	6.94				5.00		**139**	*	70-130			V-06, L-01
1,3-Butadiene	5.17				5.00		103		70-130			
2-Butanone (MEK)	4.42				5.00		88.4		70-130			
Carbon Disulfide	3.88				5.00		77.7		70-130			
Carbon Tetrachloride	4.56				5.00		91.1		70-130			
Chlorobenzene	5.16				5.00		103		70-130			
Chloroethane	6.20				5.00		124		70-130			V-06
Chloroform	4.53				5.00		90.7		70-130			
Chloromethane	4.90				5.00		98.0		70-130			
Cyclohexane	3.25				5.00		**64.9**	*	70-130			L-03
Dibromochloromethane	5.32				5.00		106		70-130			
1,2-Dibromoethane (EDB)	4.66				5.00		93.3		70-130			
1,2-Dichlorobenzene	5.49				5.00		110		70-130			
1,3-Dichlorobenzene	5.77				5.00		115		70-130			
1,4-Dichlorobenzene	5.70				5.00		114		70-130			
Dichlorodifluoromethane (Freon 12)	5.35				5.00		107		70-130			
1,1-Dichloroethane	3.96				5.00		79.1		70-130			
1,2-Dichloroethane	4.16				5.00		83.2		70-130			
1,1-Dichloroethylene	4.13				5.00		82.7		70-130			
cis-1,2-Dichloroethylene	4.03				5.00		80.6		70-130			
trans-1,2-Dichloroethylene	3.60				5.00		72.0		70-130			
1,2-Dichloropropane	3.40				5.00		**68.0**	*	70-130			L-03

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QUALITY CONTROL

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B127859 - TO-15 Prep												
LCS (B127859-BS1)					Prepared & Analyzed: 07/30/15							
cis-1,3-Dichloropropene	3.52				5.00		70.5		70-130			
trans-1,3-Dichloropropene	3.64				5.00		72.8		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	6.46				5.00		129		70-130			V-06
1,4-Dioxane	4.04				5.00		80.9		70-130			
Ethanol	6.84				5.00		**137**	*	70-130			L-05, V-06
Ethyl Acetate	5.90				5.00		118		70-130			V-06
Ethylbenzene	4.84				5.00		96.7		70-130			
4-Ethyltoluene	4.84				5.00		96.9		70-130			
Heptane	3.82				5.00		76.5		70-130			
Hexachlorobutadiene	6.40				5.00		128		70-130			V-06
Hexane	4.24				5.00		84.9		70-130			
2-Hexanone (MBK)	4.58				5.00		91.6		70-130			
Isopropanol	4.28				5.00		85.6		70-130			
Methyl tert-Butyl Ether (MTBE)	3.39				5.00		**67.7**	*	70-130			L-03
Methylene Chloride	4.72				5.00		94.3		70-130			
4-Methyl-2-pentanone (MIBK)	4.06				5.00		81.2		70-130			
Naphthalene	6.05				5.00		121		70-130			
Propene	4.96				5.00		99.2		70-130			
Styrene	5.12				5.00		102		70-130			
1,1,2,2-Tetrachloroethane	4.81				5.00		96.3		70-130			
Tetrachloroethylene	4.53				5.00		90.7		70-130			
Tetrahydrofuran	4.40				5.00		88.0		70-130			
Toluene	4.31				5.00		86.3		70-130			
1,2,4-Trichlorobenzene	6.16				5.00		123		70-130			
1,1,1-Trichloroethane	3.66				5.00		73.3		70-130			
1,1,2-Trichloroethane	4.39				5.00		87.9		70-130			
Trichloroethylene	3.75				5.00		75.1		70-130			
Trichlorofluoromethane (Freon 11)	7.55				5.00		**151**	*	70-130			L-05, V-06
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.78				5.00		95.5		70-130			
1,2,4-Trimethylbenzene	4.93				5.00		98.7		70-130			
1,3,5-Trimethylbenzene	4.81				5.00		96.2		70-130			
Vinyl Acetate	4.16				5.00		83.2		70-130			
Vinyl Chloride	5.65				5.00		113		70-130			
m&p-Xylene	10.6				10.0		106		70-130			
o-Xylene	4.79				5.00		95.8		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*9.45*				*8.00*		*118*		*70-130*			

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B127860 - TO-15 Prep											
Blank (B127860-BLK1)					Prepared & Analyzed: 07/29/15						
Acetone	ND	1.4									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	1.4									
Carbon Disulfide	ND	0.35									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.070									
Cyclohexane	ND	0.035									L-03
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
1,4-Dioxane	ND	0.35									
Ethanol	ND	1.4									V-06, L-05
Ethyl Acetate	ND	0.035									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	1.4									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.35									
4-Methyl-2-pentanone (MIBK)	ND	0.035									
Naphthalene	ND	0.035									
Propene	ND	1.4									
Styrene	ND	0.035									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B127860 - TO-15 Prep												
Blank (B127860-BLK1)					Prepared & Analyzed: 07/29/15							
1,1,2,2-Tetrachloroethane	ND	0.035										
Tetrachloroethylene	ND	0.035										
Tetrahydrofuran	ND	0.035										
Toluene	ND	0.035										
1,2,4-Trichlorobenzene	ND	0.035										
1,1,1-Trichloroethane	ND	0.035										
1,1,2-Trichloroethane	ND	0.035										
Trichloroethylene	0.046	0.035										B-07
Trichlorofluoromethane (Freon 11)	ND	0.14										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14										
1,2,4-Trimethylbenzene	ND	0.035										
1,3,5-Trimethylbenzene	ND	0.035										
Vinyl Acetate	ND	0.70										
Vinyl Chloride	ND	0.035										
m&p-Xylene	ND	0.070										
o-Xylene	ND	0.035										
Surrogate: 4-Bromofluorobenzene (1)	*8.81*				*8.00*		*110*		*70-130*			
LCS (B127860-BS1)					Prepared & Analyzed: 07/29/15							
Acetone	5.24				5.00		105		70-130			
Benzene	3.79				5.00		75.8		70-130			
Benzyl chloride	3.77				5.00		75.4		70-130			
Bromodichloromethane	4.01				5.00		80.3		70-130			
Bromoform	5.61				5.00		112		70-130			
Bromomethane	8.24				5.00		**165**	*	70-130			L-01, V-06
1,3-Butadiene	7.52				5.00		**150**	*	70-130			L-01, V-06
2-Butanone (MEK)	5.13				5.00		103		70-130			
Carbon Disulfide	4.18				5.00		83.6		70-130			
Carbon Tetrachloride	4.51				5.00		90.2		70-130			
Chlorobenzene	5.40				5.00		108		70-130			
Chloroethane	8.91				5.00		**178**	*	70-130			L-01, V-06
Chloroform	4.53				5.00		90.7		70-130			
Chloromethane	7.35				5.00		**147**	*	70-130			L-01, V-06
Cyclohexane	3.23				5.00		**64.6**	*	70-130			L-03
Dibromochloromethane	5.15				5.00		103		70-130			
1,2-Dibromoethane (EDB)	4.70				5.00		94.1		70-130			
1,2-Dichlorobenzene	5.60				5.00		112		70-130			
1,3-Dichlorobenzene	5.84				5.00		117		70-130			
1,4-Dichlorobenzene	5.71				5.00		114		70-130			
Dichlorodifluoromethane (Freon 12)	5.66				5.00		113		70-130			
1,1-Dichloroethane	4.59				5.00		91.8		70-130			
1,2-Dichloroethane	4.66				5.00		93.2		70-130			
1,1-Dichloroethylene	4.67				5.00		93.5		70-130			
cis-1,2-Dichloroethylene	4.54				5.00		90.7		70-130			
trans-1,2-Dichloroethylene	4.07				5.00		81.4		70-130			
1,2-Dichloropropane	3.71				5.00		74.1		70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B127860 - TO-15 Prep												
LCS (B127860-BS1)					Prepared & Analyzed: 07/29/15							
cis-1,3-Dichloropropene	3.78				5.00		75.5		70-130			
trans-1,3-Dichloropropene	3.99				5.00		79.8		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	7.74				5.00		**155**	*	70-130			L-01, V-06
1,4-Dioxane	3.88				5.00		77.6		70-130			
Ethanol	9.02				5.00		**180**	*	70-130			L-05, V-06
Ethyl Acetate	7.00				5.00		**140**	*	70-130			L-01, V-06
Ethylbenzene	5.06				5.00		101		70-130			
4-Ethyltoluene	5.05				5.00		101		70-130			
Heptane	4.15				5.00		83.0		70-130			
Hexachlorobutadiene	6.25				5.00		125		70-130			L-05
Hexane	5.43				5.00		109		70-130			
2-Hexanone (MBK)	4.96				5.00		99.3		70-130			
Isopropanol	6.35				5.00		127		70-130			
Methyl tert-Butyl Ether (MTBE)	4.07				5.00		81.4		70-130			
Methylene Chloride	5.31				5.00		106		70-130			
4-Methyl-2-pentanone (MIBK)	4.39				5.00		87.8		70-130			
Naphthalene	6.23				5.00		125		70-130			
Propene	5.79				5.00		116		70-130			
Styrene	5.29				5.00		106		70-130			
1,1,2,2-Tetrachloroethane	5.00				5.00		99.9		70-130			
Tetrachloroethylene	4.53				5.00		90.5		70-130			
Tetrahydrofuran	4.96				5.00		99.2		70-130			
Toluene	4.45				5.00		89.1		70-130			
1,2,4-Trichlorobenzene	6.30				5.00		126		70-130			V-06
1,1,1-Trichloroethane	3.78				5.00		75.5		70-130			
1,1,2-Trichloroethane	4.43				5.00		88.6		70-130			
Trichloroethylene	3.86				5.00		77.1		70-130			B
Trichlorofluoromethane (Freon 11)	8.14				5.00		**163**	*	70-130			L-05, V-06
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.20				5.00		104		70-130			
1,2,4-Trimethylbenzene	5.08				5.00		102		70-130			
1,3,5-Trimethylbenzene	4.93				5.00		98.7		70-130			
Vinyl Acetate	4.89				5.00		97.9		70-130			
Vinyl Chloride	7.96				5.00		**159**	*	70-130			L-01, V-06
m&p-Xylene	10.9				10.0		109		70-130			
o-Xylene	5.01				5.00		100		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*9.16*				*8.00*		*115*		*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B127861 - TO-15 Prep											
Blank (B127861-BLK1)					Prepared & Analyzed: 07/28/15						
Acetone	0.88	1.0									J
Benzene	ND	0.025									
Benzyl chloride	ND	0.025									
Bromodichloromethane	ND	0.025									
Bromoform	ND	0.025									
Bromomethane	ND	0.025									
1,3-Butadiene	ND	0.025									
2-Butanone (MEK)	ND	1.0									
Carbon Disulfide	ND	0.25									
Carbon Tetrachloride	ND	0.025									
Chlorobenzene	ND	0.025									
Chloroethane	ND	0.025									
Chloroform	ND	0.025									
Chloromethane	ND	0.050									
Cyclohexane	ND	0.025									L-03
Dibromochloromethane	ND	0.025									
1,2-Dibromoethane (EDB)	ND	0.025									
1,2-Dichlorobenzene	ND	0.025									
1,3-Dichlorobenzene	ND	0.025									
1,4-Dichlorobenzene	ND	0.025									
Dichlorodifluoromethane (Freon 12)	ND	0.025									
1,1-Dichloroethane	ND	0.025									
1,2-Dichloroethane	ND	0.025									
1,1-Dichloroethylene	ND	0.025									
cis-1,2-Dichloroethylene	ND	0.025									
trans-1,2-Dichloroethylene	ND	0.025									
1,2-Dichloropropane	ND	0.025									
cis-1,3-Dichloropropene	ND	0.025									
trans-1,3-Dichloropropene	ND	0.025									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.025									
1,4-Dioxane	ND	0.25									
Ethanol	ND	1.0									
Ethyl Acetate	ND	0.025									
Ethylbenzene	ND	0.025									
4-Ethyltoluene	ND	0.025									
Heptane	ND	0.025									
Hexachlorobutadiene	ND	0.025									
Hexane	0.19	1.0									J
2-Hexanone (MBK)	ND	0.025									
Isopropanol	ND	1.0									
Methyl tert-Butyl Ether (MTBE)	ND	0.025									
Methylene Chloride	0.10	0.25									J
4-Methyl-2-pentanone (MIBK)	ND	0.025									
Naphthalene	ND	0.025									
Propene	ND	1.0									
Styrene	ND	0.025									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B127861 - TO-15 Prep												
Blank (B127861-BLK1)					Prepared & Analyzed: 07/28/15							
1,1,2,2-Tetrachloroethane	ND	0.025										
Tetrachloroethylene	ND	0.025										
Tetrahydrofuran	ND	0.025										
Toluene	ND	0.025										
1,2,4-Trichlorobenzene	ND	0.025										
1,1,1-Trichloroethane	ND	0.025										
1,1,2-Trichloroethane	ND	0.025										
Trichloroethylene	ND	0.025										
Trichlorofluoromethane (Freon 11)	ND	0.10										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10										
1,2,4-Trimethylbenzene	ND	0.025										
1,3,5-Trimethylbenzene	ND	0.025										
Vinyl Acetate	ND	0.50										
Vinyl Chloride	ND	0.025										
m&p-Xylene	ND	0.050										
o-Xylene	ND	0.025										
Surrogate: 4-Bromofluorobenzene (1)	*8.70*				*8.00*		*109*		*70-130*			
LCS (B127861-BS1)					Prepared & Analyzed: 07/28/15							
Acetone	3.68				5.00		73.7		70-130			
Benzene	3.82				5.00		76.4		70-130			
Benzyl chloride	3.84				5.00		76.8		70-130			
Bromodichloromethane	3.88				5.00		77.7		70-130			
Bromoform	5.70				5.00		114		70-130			
Bromomethane	6.46				5.00		129		70-130			V-06
1,3-Butadiene	5.02				5.00		100		70-130			
2-Butanone (MEK)	4.56				5.00		91.2		70-130			
Carbon Disulfide	3.90				5.00		78.0		70-130			
Carbon Tetrachloride	4.23				5.00		84.6		70-130			
Chlorobenzene	5.63				5.00		113		70-130			
Chloroethane	5.90				5.00		118		70-130			
Chloroform	4.33				5.00		86.6		70-130			
Chloromethane	4.86				5.00		97.1		70-130			
Cyclohexane	3.45				5.00		**69.1**	*	70-130			L-03
Dibromochloromethane	5.35				5.00		107		70-130			
1,2-Dibromoethane (EDB)	4.96				5.00		99.2		70-130			
1,2-Dichlorobenzene	5.60				5.00		112		70-130			
1,3-Dichlorobenzene	5.82				5.00		116		70-130			
1,4-Dichlorobenzene	5.71				5.00		114		70-130			
Dichlorodifluoromethane (Freon 12)	4.90				5.00		98.1		70-130			
1,1-Dichloroethane	4.09				5.00		81.8		70-130			
1,2-Dichloroethane	3.94				5.00		78.9		70-130			
1,1-Dichloroethylene	4.20				5.00		83.9		70-130			
cis-1,2-Dichloroethylene	4.18				5.00		83.7		70-130			
trans-1,2-Dichloroethylene	3.74				5.00		74.8		70-130			
1,2-Dichloropropane	3.61				5.00		72.2		70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B127861 - TO-15 Prep												
LCS (B127861-BS1)					Prepared & Analyzed: 07/28/15							
cis-1,3-Dichloropropene	3.72				5.00		74.5		70-130			
trans-1,3-Dichloropropene	3.80				5.00		76.1		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.91				5.00		118		70-130			V-06
1,4-Dioxane	4.47				5.00		89.5		70-130			
Ethanol	6.42				5.00		128		70-130			V-06
Ethyl Acetate	6.06				5.00		121		70-130			V-06
Ethylbenzene	5.28				5.00		106		70-130			
4-Ethyltoluene	5.16				5.00		103		70-130			
Heptane	4.10				5.00		82.0		70-130			
Hexachlorobutadiene	6.48				5.00		130		70-130			
Hexane	4.12				5.00		82.5		70-130			
2-Hexanone (MBK)	5.03				5.00		101		70-130			
Isopropanol	3.98				5.00		79.7		70-130			
Methyl tert-Butyl Ether (MTBE)	3.73				5.00		74.6		70-130			
Methylene Chloride	4.60				5.00		92.0		70-130			
4-Methyl-2-pentanone (MIBK)	4.21				5.00		84.1		70-130			
Naphthalene	6.40				5.00		128		70-130			
Propene	5.16				5.00		103		70-130			
Styrene	5.54				5.00		111		70-130			
1,1,2,2-Tetrachloroethane	5.07				5.00		101		70-130			
Tetrachloroethylene	4.86				5.00		97.3		70-130			
Tetrahydrofuran	4.70				5.00		94.0		70-130			
Toluene	4.81				5.00		96.2		70-130			
1,2,4-Trichlorobenzene	6.56				5.00		**131**	*	70-130			L-01
1,1,1-Trichloroethane	3.53				5.00		70.6		70-130			
1,1,2-Trichloroethane	4.71				5.00		94.2		70-130			
Trichloroethylene	3.86				5.00		77.3		70-130			
Trichlorofluoromethane (Freon 11)	6.19				5.00		124		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.76				5.00		95.1		70-130			
1,2,4-Trimethylbenzene	5.13				5.00		103		70-130			
1,3,5-Trimethylbenzene	5.02				5.00		100		70-130			
Vinyl Acetate	4.41				5.00		88.3		70-130			
Vinyl Chloride	5.45				5.00		109		70-130			
m&p-Xylene	11.2				10.0		112		70-130			
o-Xylene	5.12				5.00		102		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.57*				*8.00*		*107*		*70-130*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
B	Analyte is found in the associated blank as well as in the sample.
B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

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ANALYST

TPH	Thomas P. Hnitecki
SMC	Steven M. Case
RLF	Rebecca Faust
LAW	Lisa A. Worthington

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA,NY,ME
Benzene	AIHA,FL,NJ,NY,VA,ME
Benzyl chloride	AIHA,FL,NJ,NY,VA,ME
Bromodichloromethane	AIHA,NJ,NY,VA,ME
Bromoform	AIHA,NJ,NY,VA,ME
Bromomethane	AIHA,FL,NJ,NY,ME
1,3-Butadiene	AIHA,NJ,NY,VA,ME
2-Butanone (MEK)	AIHA,FL,NJ,NY,VA,ME
Carbon Disulfide	AIHA,NJ,NY,VA,ME
Carbon Tetrachloride	AIHA,FL,NJ,NY,VA,ME
Chlorobenzene	AIHA,FL,NJ,NY,VA,ME
Chloroethane	AIHA,FL,NJ,NY,VA,ME
Chloroform	AIHA,FL,NJ,NY,VA,ME
Chloromethane	AIHA,FL,NJ,NY,VA,ME
Cyclohexane	AIHA,NJ,NY,VA,ME
Dibromochloromethane	AIHA,NY,ME
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,VA,ME
1,3-Dichlorobenzene	AIHA,NJ,NY,ME
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,VA,ME
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME
1,1-Dichloroethane	AIHA,FL,NJ,NY,VA,ME
1,2-Dichloroethane	AIHA,FL,NJ,NY,VA,ME
1,1-Dichloroethylene	AIHA,FL,NJ,NY,VA,ME
cis-1,2-Dichloroethylene	AIHA,FL,NY,VA,ME
trans-1,2-Dichloroethylene	AIHA,NJ,NY,VA,ME
1,2-Dichloropropane	AIHA,FL,NJ,NY,VA,ME
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,VA,ME
trans-1,3-Dichloropropene	AIHA,NY,ME
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,VA,ME
1,4-Dioxane	AIHA,NJ,NY,VA,ME
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,VA,ME
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY,VA,ME
Hexachlorobutadiene	AIHA,NJ,NY,VA,ME
Hexane	AIHA,FL,NJ,NY,VA,ME
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,VA,ME
Methylene Chloride	AIHA,FL,NJ,NY,VA,ME
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME
Naphthalene	NY,ME
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,VA,ME
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,VA,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Tetrachloroethylene	AIHA,FL,NJ,NY,VA,ME
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,VA,ME
1,2,4-Trichlorobenzene	AIHA,NJ,NY,VA,ME
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,VA,ME
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,VA,ME
Trichloroethylene	AIHA,FL,NJ,NY,VA,ME
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,VA,ME
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME
Vinyl Acetate	AIHA,FL,NJ,NY,VA,ME
Vinyl Chloride	AIHA,FL,NJ,NY,VA,ME
m&p-Xylene	AIHA,FL,NJ,NY,VA,ME
o-Xylene	AIHA,FL,NJ,NY,VA,ME

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	09/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

DOC#284
Rev.July2010

15G0801

Company Name: Mid-Atlantic Associates, Inc.
Address: 409 Rogers View Court
Raleigh, NC 27610
Attention: Kelly Johnson
Project Location: AVX Raleigh, NC
Sampled By: KJ / SC / GH

Telephone: (919) 250-9918
Project # 000R2682.00
Client PO #

DATA DELIVERY (check one):
☐FAX ☑EMAIL ☐WEBSITE CLIENT
Fax # :
Email: wservice@maaonline.com
Format: ☑EXCEL ☑PDF ☐GIS KEY ☑OTHER EDD

Proposal Provided? (For Billing purposes)
☐yes _____ proposal date

Please fill out completely, sign, date and retain the yellow copy for your record.

Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Field ID	Sample Description	Media	Lab #	Date Sampled Start Date Time	Date Sampled Stop Date Time	Total Minutes Sampled	Flow Rate M^3/Min. or L / Min.	Volume Liters or M^3	Matrix Code*	ANALYSIS REQUESTED: EPA TO-15				" Hg Initial pressure	" Hg Final Pressure	" Hg Lab Receipt Pressure	Summa Canister ID	Flow Controller ID
VP-11		S	01	7/14/2015 14:23	7/14/2015 14:31				SG	✓				-26	-3	-5.9	1527	4085*
VP-12		S	02	7/14/2015 15:00	7/14/2015 15:08				SG	✓				-29	-4	-5.1	1429	4086
VP-13		S	03	7/14/2015 15:32	7/14/2015 15:38				SG	✓				-26	-4	-5.8	1418	4089
VP-10		S	04	7/14/2015 16:01	7/14/2015 16:09				SG	✓				-27	-3	-5.1	1603	4088**
VP-9		S	05	7/14/2015 16:19	7/14/2015 16:24				SG	✓				-28	-4	-5.1	1534	4073*
VP-8		S	06	7/14/2015 16:39	7/14/2015 16:46				SG	✓				-29	-3	-3.9	1404	4072*
VP-7		S	07	7/14/2015 16:55	7/14/2015 17:03				SG	✓				-25	-3	-4.4	1426	4066*
VP-6		S	08	7/15/2015 9:16	7/15/2015 9:23				SG	✓				-29	-3	-3.4	1550	4067*

Laboratory Comments:

CLIENT COMMENTS:
Please email results in both Excel spreadsheet (with ug/L units) and Adobe PDF formats
*=Non-Certified Gauges (Reference Only) : 4085, 4073, 4072, 4066, 4067. **=Check flow controller 4088, "+3" was written on the gauge

Relinquished by: (signature)	Date/Time: 7/17/15 1125	
Received by: (signature)	Date/Time: 7/17/15 1125	
Relinquished by: (signature)	Date/Time: 7/17/15 1400	
Received by: (signature)	Date/Time: 7/21/15 1156	

Turnaround **
☑ 7-Day
☐ 10-Day
☐ Other ___
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations:
Data Enhancement/RCP? ☐Y ☐N
Enhanced Data Package ☐Y ☑N
(Surcharge Applies)
Required Detection Limits: NC IHSB Resid Sub-Slab
Other:

***Matrix Code:**
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other_____

****Media Codes:**
S=summa can
T=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other_____

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY

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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY RECORD

15G0861

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

DOC#284
Rev.July2010

Company Name: Mid-Atlantic Associates, Inc.
Address: 409 Rogers View Court
Raleigh, NC 27610
Attention: Kelly Johnson
Project Location: AVX Raleigh, NC
Sampled By: KJ / SC / GH

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

Telephone: (919) 250-9918
Project # 000R2682.00
Client PO # _____

DATA DELIVERY (check one):
☐FAX ☑EMAIL ☐WEBSITE CLIENT
Fax # : _____
Email: wservice@maaonline.com
Format: ☑EXCEL ☑PDF ☐GIS KEY ☑OTHER EDD

Please fill out completely, sign, date and retain the yellow copy for your record.

Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.

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Field ID	Sample Description	Media	Lab #	Date Sampled Start Date Time	Date Sampled Stop Date Time	Total Minutes Sampled	Flow Rate M³/Min. or L / Min.	Volume Liters or M³	Matrix Code*	ANALYSIS REQUESTED: EPA TO-15				" Hg Initial pressure	" Hg Final Pressure	" Hg Lab Receipt Pressure	Summa Canister ID	Flow Controller ID
VP-5		S	09	7/15/2015 10:03	7/15/2015 10:10				SG	✓				-29	-3	-4.1	1407	4091
VP-4		S	10	7/15/2015 10:24	7/15/2015 10:32				SG	✓				-28	-3	-4.9	1538	4090
VP-3		S	11	7/15/2015 10:41	7/15/2015 10:48				SG	✓				-28	-3	-4.0	1540	4290
VP-2		S	12	7/15/2015 11:12	7/15/2015 11:17				SG	✓				-29	-3	-3.0	1417	4199
VP-1		S	13	7/15/2015 11:29	7/15/2015 11:35				SG	✓				-27	-3	-4	1890	4075*
VP-18		S	14	7/15/2015 11:55	7/15/2015 12:00				SG	✓				-29	-3	-4	1419	4212
VP-17		S	15	7/15/2015 12:07	7/15/2015 12:12				SG	✓				-29	-3	-3.9	1441	4213
VP-16		S	16	7/15/2015 12:20	7/15/2015 12:27				SG	✓				-30	-3	-2.9	1559	4105

Laboratory Comments:

CLIENT COMMENTS:
Please email results in both Excel spreadsheet (with ug/L units) and Adobe PDF formats
*=Non-Certified Gauge (Reference Only) : 4075

Relinquished by: (signature) Becky Jones	Date/Time: 7/17/15 1125
Received by: (signature) Brent Bailey	Date/Time: 7/17/15 1125
Relinquished by: (signature) Brent Bailey	Date/Time: 7/17/15 1400
Received by: (signature) Rebecca Hurst	Date/Time: 7/21/15 1156

Turnaround **
☑ 7-Day
☐ 10-Day
☐ Other ___
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations: _____
Data Enhancement/RCP? ☐Y ☐N
Enhanced Data Package ☐Y ☑N
(Surchage Applies)
Required Detection Limits: NC IHSB Resid Sub-Slab
Other: _____

***Matrix Code:**
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other _____

****Media Codes:**
S=summa can
T=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other _____

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST
EAST LONGMEADOW, MA 01028

AIR SAMPLE CHAIN OF CUSTODY RECORD

15C0861

Company Name: Mid-Atlantic Associates, Inc.
Address: 409 Rogers View Court
Raleigh, NC 27610
Attention: Kelly Johnson
Project Location: AVX Raleigh, NC
Sampled By: KJ / SC / GH

Telephone: (919) 250-9918
Project # 000R2682.00
Client PO #

DATA DELIVERY (check one):
☐FAX ☑EMAIL ☐WEBSITE CLIENT
Fax # :
Email: wservice@maaonline.com
Format: ☑EXCEL ☑PDF ☐GIS KEY ☑OTHER EDD

Proposal Provided? (For Billing purposes)
☐yes _____ proposal date

Please fill out completely, sign, date and retain the yellow copy for your record.

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Field ID	Sample Description	Media	Lab #	Date Sampled Start Date Time	Date Sampled Stop Date Time	Total Minutes Sampled	Flow Rate M³/Min. or L / Min.	Volume Liters or M³	Matrix Code*	ANALYSIS REQUESTED: EPA TO-15				" Hg Initial pressure	" Hg Final Pressure	" Hg Lab Receipt Pressure	Summa Canister ID	Flow Controller ID
VP-15		S	17	7/15/2015 12:37	7/15/2015 12:42				SG	✓				-29	-3	-4	1431	4176
VP-14		S	18	7/15/2015 12:53	7/15/2015 12:58				SG	✓				-30	-4	-4	1544	4286
VP-32		S	19	7/15/2015 14:58	7/15/2015 15:04				SG	✓				-30	-4	-1.5	1412	4287
VP-40		S	20	7/15/2015 15:17	7/15/2015 15:23				SG	✓				-30	-4	-4	1435	4038*
VP-33		S	21	7/15/2015 15:30	7/15/2015 15:36				SG	✓				-28	-3	-3.5	1427	4284
VP-21		S	22	7/15/2015 15:47	7/15/2015 15:53				SG	✓				-27	-4	-5.5	1421	4185
VP-22		S	23	7/15/2015 15:59	7/15/2015 16:04				SG	✓				-28	-5	-6	1425	4194
VP-31		S	24	7/15/2015 16:11	7/15/2015 16:22				SG	✓				-28	-5	-6.5	1891	4184

Laboratory Comments:

CLIENT COMMENTS:
Please email results in both Excel spreadsheet (with ug/L units) and Adobe PDF formats
*=Non-Certified Gauge (Reference Only) : 4038

	Date/Time
Relinquished by: (signature)	7/17/15 1125
Received by: (signature)	7/17/15 1125
Relinquished by: (signature)	7/17/15 1400
Received by: (signature)	7/21/15 1150

Turnaround **
☑ 7-Day
☐ 10-Day
☐ Other ___
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations:
Data Enhancement/RCP? ☐Y ☐N
Enhanced Data Package ☐Y ☑N
(Surchage Applies)
Required Detection Limits: NC IHSB Resid Sub-Slab
Other:

***Matrix Code:**
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other

****Media Codes:**
S=summa can
T=tedlar bag
P=PUF
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F= filter
C=cassette
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AIR SAMPLE CHAIN OF CUSTODY RECORD

15G0861

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

DOC#284
Rev.July2010

Company Name: Mid-Atlantic Associates, Inc.
Address: 409 Rogers View Court
Raleigh, NC 27610
Attention: Kelly Johnson
Project Location: AVX Raleigh, NC
Sampled By: KJ / SC / GH

Telephone: (919) 250-9918
Project # 000R2682.00
Client PO #

DATA DELIVERY (check one):
☐FAX ☑EMAIL ☐WEBSITE CLIENT
Fax # :
Email: wservice@maaonline.com
Format: ☑EXCEL ☑PDF ☐GIS KEY ☑OTHER EDD

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VP-30		S	25	7/15/2015 16:31	7/15/2015 16:36				SG	✓				-29	-5	-5.1	1542	4195
VP-23		S	26	7/15/2015 16:44	7/15/2015 16:50				SG	✓				-27	-4	-5.4	1536	4188
VP-29		S	27	7/15/2015 17:00	7/15/2015 17:04				SG	✓				-28	-4	-5.8	1605	4189
VP-24		S	28	7/16/2015 8:55	7/16/2015 8:59				SG	✓				-26	-4	-6.7	1436	4172
VP-26		S	29	7/16/2015 9:13	7/16/2015 9:17				SG	✓				-29	-4	-4.3	1598	4288
VP-28		S	30	7/16/2015 9:27	7/16/2015 9:32				SG	✓				-28	-5	-5.3	1528	4192
VP-34		S	31	7/16/2015 9:40	7/16/2015 9:45				SG	✓				-28	-5	-5.7	1555	4205
VP-36		S	32	7/16/2015 10:22	7/16/2015 10:26				SG	✓				-24	-5	-10.2	1535	4173

Laboratory Comments:

CLIENT COMMENTS:
Please email results in both Excel spreadsheet (with ug/L units) and Adobe PDF formats
For VP-36, the box for Flow Controler 4173 says "+3" on the box, check the controller

Relinquished by: (signature)	Date/Time: 7/17/15 1125
Received by: (signature)	Date/Time: 7/17/15 1125
Relinquished by: (signature)	Date/Time: 7/17/15 1400
Received by: (signature)	Date/Time: 7/21/15 1150

Turnaround **
☑ 7-Day
☐ 10-Day
☐ Other ___
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations:
Data Enhancement/RCP? ☐Y ☐N
Enhanced Data Package ☐Y ☑N
(Surchage Applies)
Required Detection Limits: NC IHSB Resid Sub-Slab
Other:

***Matrix Code:**
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other_____

****Media Codes:**
S=summa can
T=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other_____

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

DOC#284

Rev.July2010

AIR SAMPLE CHAIN OF CUSTODY RECORD

15G0861

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Telephone: (919) 250-9918
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DATA DELIVERY (check one):
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Format: ☑EXCEL ☑PDF ☐GIS KEY ☑OTHER EDD

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VP-25		S	33	7/16/2015 9:12	7/16/2015 9:17				SG	✓				-29	-5	5.5	1543	4289
VP-27		S	34	7/16/2015 9:33	7/16/2015 9:38				SG	✓				-28	-5	5.4	1546	4193
VP-35		S	35	7/16/2015 9:53	7/16/2015 9:57				SG	✓				-30	-5	4.4	1410	4204
VP-37		S	36	7/16/2015 10:25	7/16/2015 10:30				SG	✓				-29	-5	5.3	1432	4208
VP-39		S	37	7/16/2015 10:39	7/16/2015 10:44				SG	✓				-30	-5	5	1552	4180
VP-19		S	38	7/16/2015 10:55	7/16/2015 11:01				SG	✓				-29	-5	5.3	1599	4103
VP-20		S	39	7/16/2015 10:55	7/16/2015 11:00				SG	✓				-30	~~-5~~	~~5.5~~ 5.4	1541	4104
VP-38		S	40	7/16/2015 10:38	7/16/2015 10:43				SG	✓				-28	-5	5.4	1604	4181

Laboratory Comments:

CLIENT COMMENTS:
Please email results in both Excel spreadsheet (with ug/L units) and Adobe PDF formats
Summa Cans BC 1411 and 1889 had no vacuum and were not used for sample collection

	Date/Time:
Relinquished by: (signature)	7/17/15 1125
Received by: (signature)	7/17/15 1125
Relinquished by: (signature)	7/17/15 1400
Received by: (signature)	7/21/15 1150

Turnaround **
☑ 7-Day
☐ 10-Day
☐ Other ___
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations:
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Enhanced Data Package ☐Y ☑N
(Surchage Applies)
Required Detection Limits: NC IHSB Resid Sub-Slab
Other:

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IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other_____

****Media Codes:**
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T=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other_____

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AIHA, NELAC & WBE/DBE Certified

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FedEx ® Tracking

774078370621

Ship date :
Fri 7/17/2015

Raleigh, NC US

Delivered

Signed for by: PBLAKE

Actual delivery :
Tues 7/21/2015 11:56 am

EAST LONGMEADOW, MA US

6 Piece shipment

Travel History

Date/Time	Activity	Location
7/21/2015 - Tuesday		
11:56 am	Delivered	East Longmeadow, MA
5:44 am	On FedEx vehicle for delivery	CHICOPEE, MA
5:37 am	At local FedEx facility	CHICOPEE, MA
1:48 am	Departed FedEx location	WILLINGTON, CT
7/20/2015 - Monday		
8:01 pm	Arrived at FedEx location	WILLINGTON, CT
7/17/2015 - Friday		
10:29 pm	Left FedEx origin facility	DURHAM, NC
9:03 pm	Arrived at FedEx location	DURHAM, NC
7:09 pm	Picked up	DURHAM, NC
1:50 pm	In FedEx possession	RALEIGH, NC
	Tendered at FedEx location	
1:19 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	774078370621	**Service**	FedEx Ground
Reference	80	**Master tracking number**	774078370286
Weight	15 lbs / 6.8 kgs	**Total pieces**	6
Total shipment weight	90 lbs / 40.82 kgs	**Packaging**	Package

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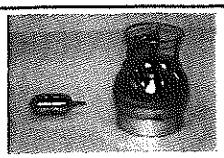

www.contestlabs.com

con-test® ANALYTICAL LABORATORY

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

AIR Only Receipt Checklist

CLIENT NAME: Mid Atlantic **RECEIVED BY:** RLF **DATE:** 7/21/15

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) Are there any samples "On Hold"? Yes (No) Stored where: ____

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)

Who was notified _____ Date _____ Time _____

6) Location where samples are stored: air lab

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

7) Number of cans Individually Certified or Batch Certified? none

Containers received at Con-Test

	# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)	42	1L
Tedlar Bags		
TO-17 Tubes		
Regulators	42	5min
Restrictors		
Hg/Hopcalite Tube (NIOSH 6009)		
(TO-4A/ TO-10A/TO-13) PUFs		
PCB Florisil Tubes (NIOSH 5503)		
Air cassette		
PM 2.5/PM 10		
TO-11A Cartridges		
Other		

Unused Summas/PUF Media:
1411 - 0
1889 - 0

Unused Regulators:
4209
4291

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments: 1538 1419 1514 1421 1536 1528 1546 1599
1527 1603 1426 1540 1441 1412 1425 1605 1555 1410 1541
1429 1534 1530 1417 1559 1435 1891 1436 1535 1432 1604
1418 1404 1407 1890 1431 1427 1542 1598 1543 1552

Summas

Login Sample Receipt Checklist
(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The coolers'/boxes' custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	NA	
4) Cooler Temperature is acceptable.	NA	
5) Cooler Temperature is recorded.	NA	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) Samples are received within Holding Time.	T	
10) Sample containers have legible labels.	T	
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	T	
12) Sample collection date/times are provided.	T	
13) Appropriate sample/media containers are used.	T	
14) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
15) Trip blanks provided if applicable.	NA	

Who notified of False statements? **Date/Time:**
Log-In Technician Initials: **Date/Time:**

RLF 7/21/15 1156

Doc #278 Rev. 5 October 2014

4085 4073 4091 4075 4176 4284 4195 4288
4086 4072 4090 4212 4286 4185 4188 4192 Reqs.
4089 4066 4290 4213 4287 4194 4189 4205
4088 4067 4199 4105 4038 4184 4172 4173

EXHIBIT E

ASBESTOS SURVEY

Mid Atlantic
Engineering & Environmental Solutions

VISION
ENVIRONMENTAL
SOLUTIONS, LLC

Real Solutions One Client at a Time

July 30, 2015

Mr. Daniel Nielsen
Vice-President
Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Subject: **REPORT OF ASBESTOS SURVEY**
3900 ELECTRONICS DRIVE
RALEIGH, NORTH CAROLINA
VES PROJECT NO. V150723

Dear Mr. Nielsen:

Vision Environmental Solutions, LLC (VES) is pleased to provide the following asbestos survey report for the above referenced property location. Our report summarizes the on-site investigations, procedures and the laboratory analytical results from the sampling.

INTRODUCTION

Mr. Joseph Lightner, of VES, collected bulk samples of suspected asbestos-containing materials from 3900 Electronics Drive, located in Raleigh, North Carolina on July 16 and 17, 2015. The observations and results discussed in this report are time dependent and are subject to changing site conditions and revisions to Federal, state, and local regulations.

SURVEY AND SAMPLING METHODOLOGY

The visual survey was conducted in general accordance with EPA guidelines to determine the presence of asbestos-containing materials. The building was not occupied at the time of the survey.

Eighty-five (85) bulk samples, resulting in 129 analyses, were collected from the building. The samples were analyzed for asbestos by EMSL Analytical, Inc. located in Morrisville, North Carolina using Polarized Light Microscopy (PLM) in conjunction with dispersion staining techniques using EPA Method 600/R-93/116.

7300 Stonecliff Drive*Suite 10 * Raleigh, NC 27615 *
919.215.9996 * VESLLC@gmail.com

LABORATORY RESULTS

The laboratory results from the samples collected are summarized in the tables below. The analytical results and chain-of-custody sheets are contained in Appendix A.

3900 Electronics Drive

Sample ID	Material	Location	Results
01a	9"x9" Gray Floor Tile	1st Floor - Entry	**2% Chrysotile**
01b	Black Mastic under Floor Tile	1st Floor - Entry	**5% Chrysotile**
02a	Vinyl Base Molding	1st Floor - Entry	None Detected
02b	Brown Mastic behind Base Molding	1st Floor - Entry	None Detected
03	2'x4' Ceiling Tile	1st Floor - Entry	None Detected
04a	12"x12" Beige Floor Tile	1st Floor – 2nd Right Room From Entry	None Detected
04b	Black Mastic Under Floor Tile	1st Floor-2nd Right Room From Entry	<1% Chrysotile
05a	12"x12" Beige Floor Tile	1st Floor - 2nd Left Room By Entry	None Detected
05b	Black Mastic Under Floor Tile	1st Floor - 2nd Left Room By Entry	**5% Chrysotile**
06a	Vinyl Base Molding	1st Floor - 2nd Left Room By Entry	None Detected
06b	Brown Mastic behind Base Molding	1st Floor - 2nd Left Room By Entry	None Detected
07a	9"x9" Beige Floor Tile	1st Floor – 3rd Left Room By Entry	**2% Chrysotile**
07b	Black Mastic Under Floor Tile	1st Floor – 3rd Left Room By Entry	**5% Chrysotile**
08	Wallboard	1st Floor – 3rd Left Room By Entry	None Detected
09	2'x4' Ceiling Tile	1st Floor – 3rd Left Room By Entry	None Detected
10a	9"x9" Gray Floor Tile	1st Floor – 3rd Left Room By Entry	<1% Chrysotile
10b	Black Mastic Under Floor Tile	1st Floor – 3rd Left Room By Entry	**5% Chrysotile**
11a	12"x12" Beige Floor Tile	1st Floor – Hallway	**3% Chrysotile**
11b	Black Mastic Under Floor Tile	1st Floor – Hallway	None Detected
12a	Vinyl Base Molding	1st Floor – Hallway After Double Doors	None Detected
12b	Brown Mastic behind Base Molding	1st Floor – Hallway After Double Doors	None Detected
13a	9"x9" Gray Floor Tile	1st Floor - Cafeteria	<1% Chrysotile
13b	Black Mastic Under Floor Tile	1st Floor - Cafeteria	**5% Chrysotile**
14	2'x4' Ceiling Tile	1st Floor – Kitchen Area	None Detected
15a	9"x9" Gray Floor Tile	1st Floor – Kitchen Area	None Detected
15b	Black Mastic Under Floor Tile	1st Floor – Kitchen Area	<1% Chrysotile
16a	9"x9" Gray Floor Tile	1st Floor – Manufacturing Room	<1% Chrysotile
16b	Black Mastic Under Floor Tile	1st Floor – Manufacturing Room	**3% Chrysotile**
17a	9"x9" Gray Floor Tile	1st Floor – Manufacturing	**1% Chrysotile**

Sample ID	Material	Location	Results
		Room	
17b	Black Mastic Under Floor Tile	1st Floor – Manufacturing Room	**5% Chrysotile**
18a	12"x12" Beige Floor Tile	1st Floor – Manufacturing Room	None Detected
18b	Black Mastic Under Floor Tile	1st Floor – Manufacturing Room	**5% Chrysotile**
19a	Vinyl Base Molding	1st Floor – Conference Room	None Detected
19b	Brown Mastic behind Base Molding	1st Floor – Conference Room	None Detected
20a	9"x9" Gray Floor Tile	1st Floor – Hallway in Front of Conference Room	<1% Chrysotile
20b	Black Mastic Under Floor Tile	1st Floor – Hallway in Front of Conference Room	<1% Chrysotile
21a	12"x12" Beige Floor Tile	1st Floor Break Room	**3% Chrysotile**
21b	Black Mastic Under Floor Tile	1st Floor Break Room	**5% Chrysotile**
22	2"x2" Ceiling Tile	1st Floor – Left Room Before the Conference Room	None Detected
23	Black Mastic on Fiberglass Elbow	1st Floor Hallway to the Left	**8% Chrysotile**
24	Black Mastic on Fiberglass Elbow	1st Floor Hallway to the Left	**8% Chrysotile**
25a	12"x12" Beige Floor Tile	1st Floor – 2nd Left Room Down Hallway	None Detected
25b	Black Mastic Under Floor Tile	1st Floor – 2nd Left Room Down Hallway	**3% Chrysotile**
26a	12"x12" Beige Floor Tile	1st Floor – 2nd Left Room Down Hallway	None Detected
26b	Black Mastic Under Floor Tile	1st Floor – 2nd Left Room Down Hallway	**3% Chrysotile**
27a	Vinyl Base Molding	1st Floor – 2nd Left Room Down Hallway	None Detected
27b	Brown Mastic behind Base Molding	1st Floor – 2nd Left Room Down Hallway	None Detected
28a	9"x9" Gray Floor Tile	1st Floor – Right Hallway	<1% Chrysotile
28b	Black Mastic Under Floor Tile	1st Floor – Right Hallway	**5% Chrysotile**
29a	9"x9" Gray Floor Tile	1st Floor Back Office in Rear	<1% Chrysotile
29b	Black Mastic Under Floor Tile	1st Floor Back Office in Rear	**5% Chrysotile**
30a	Vinyl Base Molding	1st Floor Back Office in Rear	None Detected
30b	Brown Mastic behind Base Molding	1st Floor Back Office in Rear	None Detected
31a	12"x12" Beige Floor Tile	1st Floor Office's in Manufacturing Room	None Detected
31b	Black Mastic Under Floor Tile	1st Floor Office's in Manufacturing Room	None Detected
32a	9"x9" Gray Floor Tile	1st Floor Office's in Manufacturing Room	<1% Chrysotile
32b	Black Mastic Under Floor Tile	1st Floor Office's in Manufacturing Room	**5% Chrysotile**
33a	Vinyl Base Molding	1st Floor - #50 Room	None Detected
33b	Brown Mastic behind Base Molding	1st Floor - #50 Room	None Detected
34	Pipe Elbow Insulation	1st Floor - #50 Room	None Detected
35	2"x2" Ceiling Tile	1st Floor Computer Room	None Detected
36a	12"x12" Beige Floor Tile	1st Floor-Left Room Next to	None Detected

Sample ID	Material	Location	Results
		Computer Room	
36b	Black Mastic Under Floor Tile	1st Floor-Left Room Next to Computer Room	None Detected
37	2"x4" Ceiling Tile	1st Floor-Left Room Next to Computer Room	None Detected
38a	Vinyl Base Molding	1st Floor-Left Room Next to Computer Room	None Detected
38b	Brown Mastic behind Base Molding	1st Floor-Left Room Next to Computer Room	None Detected
39a	12"x12" Beige Floor Tile	1st Floor – Drumming Room	None Detected
39b	Black Mastic Under Floor Tile	1st Floor – Drumming Room	**5% Chrysotile**
40a	12"x12" Gray Floor Tile	1st Floor – Drumming Room	None Detected
40b	Black Mastic Under Floor Tile	1st Floor – Drumming Room	None Detected
41a	Brown Linoleum	1st Floor – Roof Access Room Near Exit Door	None Detected
41b	Black Mastic Under Linoleum	1st Floor – Roof Access Room Near Exit Door	**3% Chrysotile**
42	Brown Linoleum	1st Floor – Roof Access Room Near Exit Door	None Detected
43a	9"x9" Blue Floor Tile	1st Floor – Left Room by Manufacturer Room	**2% Chrysotile**
43b	Black Mastic Under Floor Tile	1st Floor – Left Room by Manufacturer Room	**8% Chrysotile**
44a	12"x12" Beige Floor Tile With Blue Coating	1st Floor – Left Room by Manufacturer Room	None Detected
44b	Black Mastic Under Floor Tile	1st Floor – Left Room by Manufacturer Room	**8% Chrysotile**
45	Wallboard	`1st Floor Front Office in Manufacturing Room	None Detected
46	Vinyl Base Molding	1st Floor Front Office in Manufacturing Room	None Detected
47	Ceiling Insulation	1st Floor Plating Area	None Detected
48	Ceiling Insulation	1st Floor Plating Area	None Detected
49	Beige Floor Coating	1st Floor Plating Area	None Detected
50	2"x4" Ceiling Tile	1st Floor Plating Area	None Detected
51a	12"x12" Beige Floor Tile	1st Floor Room by Receiving Area	None Detected
51b	Brown Mastic Under Floor Tile	1st Floor Room by Receiving Area	None Detected
52	Vinyl Base Molding	1st Floor Room by Receiving Area	None Detected
53a	12"x12" Beige Floor Tile	1st Floor Riser Room in Receiving Area	None Detected
53b	Brown Mastic Under Floor Tile	1st Floor Riser Room in Receiving Area	None Detected
54	2"x4" Ceiling Tile	1st Floor Riser Room in Receiving Area	None Detected
55a	12"x12" Beige Floor Tile	1st Floor Riser Room in Receiving Area	None Detected
55b	Brown Mastic Under Floor Tile	1st Floor Riser Room in Receiving Area	None Detected
56	2"x4" Ceiling Tile	1st Floor – Receiving Area	None Detected

Sample ID	Material	Location	Results
		Right Side	
57a	12"x12" Beige Floor Tile	1st Floor - Receiving Area Right Side	None Detected
57b	Black Mastic Under Floor Tile	1st Floor - Receiving Area Right Side	None Detected
58	Vinyl Base Molding	1st Floor – Right Room on the Receiving Area Side	None Detected
59a	12"x12" Beige Floor Tile	1st Floor - Right Room on the Receiving Area Side	None Detected
59b	Black Mastic Under Floor Tile	1st Floor - Right Room on the Receiving Area Side	None Detected
60	1"x1" Ceiling Tile Glue	1st Floor – Left Side Room From the Manufacturer Room	None Detected
61	1"x1" Ceiling Tile	1st Floor - Left Side Room From the Manufacturer Room	None Detected
62	1"x1" Ceiling Tile	1st Floor - Left Side Room From the Manufacturer Room	None Detected
63	1"x1" Ceiling Tile Glue	1st Floor - Left Side Room From the Manufacturer Room	None Detected
64a	9"x9" Beige Floor Tile	1st Floor – Ribbon Room	<1% Chrysotile
64b	Black Mastic Under Floor Tile	1st Floor – Ribbon Room	**5% Chrysotile**
65	Vinyl Base Molding	1st Floor – Ribbon Room	None Detected
66	2"x4" Ceiling Tile	Basement – Left Room of the Storage Room	None Detected
67	Vinyl Base Molding	Basement – Left Room of the Storage Room	None Detected
68	2"x4" Ceiling Tile	Basement – Room with Mill #6 in it	None Detected
69	2"x2" Ceiling Tile	Basement – Room to the Right of Room with Mill #6 in it	None Detected
70a	9"x9" Beige Floor Tile	Basement – Room to the Right of the Fenced Storage Area	**2% Chrysotile**
70b	Black Mastic Under Floor Tile	Basement – Room to the Right of the Fenced Storage Area	**5% Chrysotile**
71	Vinyl Base Molding	Basement – Room to the Right of the Fenced Storage Area	None Detected
72a	9"x9" Beige Floor Tile	Basement – Women's Bathroom	**2% Chrysotile**
72b	Black Mastic Under Floor Tile	Basement – Women's Bathroom	**5% Chrysotile**
73	1"x1" Ceiling Tile	Basement – Machine Shop	None Detected
74a	9"x9" Beige Floor Tile	Basement – Machine Shop Small Office	**2% Chrysotile**
74b	Black Mastic Under Floor Tile	Basement – Machine Shop	**8% Chrysotile**

Sample ID	Material	Location	Results
		Small Office	
75a	9"x9" Beige Floor Tile	Basement – Small Room in Stock Area	<1% Chrysotile
75b	Black Mastic Under Floor Tile	Basement – Small Room in Stock Area	**8% Chrysotile**
76	1"x1" Ceiling Tile	Basement – Small Room in Stock Area	None Detected
77a	12"x12" Beige Floor Tile	Basement – Closed Off Small Offices	None Detected
77b	Black Mastic Under Floor Tile	Basement – Closed Off Small Offices	None Detected
78	Vinyl Base Molding	Basement – Closed Off Small Offices	None Detected
79	Wallboard	Basement – Closed Off Small Offices	None Detected
80	2"x4" Ceiling Tile	Basement – Closed Off Small Offices	None Detected
81	1"x1" Ceiling Tile	Basement – Office Left to the Shop	None Detected
82	Ceiling Fireproofing Texture	Basement – Storage Room that you enter from Outside	None Detected
83	Roofing Material	Roof of the Building	None Detected
84	Roofing Material	Roof of the Building	None Detected
85	Roofing Material	Roof of the Building	None Detected

CONCLUSIONS AND RECOMMENDATIONS

A material is considered by the EPA, Occupational Safety and Health Administration (OSHA), and the State of North Carolina to be asbestos-containing if at least one sample collected from a homogeneous group contains asbestos in an amount greater than one percent (1%). **Asbestos-containing material (ACM) <u>WAS</u> identified in the building surveyed**.

Based on the bulk sample results; VES has come to the following conclusions:

There is approximately 100,000 sq. feet of asbestos-containing 9"x9" floor tile and black mastic in the building.

There is approximately 30,000 sq. feet of asbestos-containing 12"x12" beige floor tile and black mastic in the building.

All black mastic that is found in the building should be considered asbestos-containing.

Any black mastic on the exterior of fiberglass pipe insulation should be considered asbestos-containing.

QUALIFICATIONS

The field and laboratory results reported herein are considered sufficient in detail and scope to determine the presence of accessible and/or exposed suspect ACM on the interior and exterior of the buildings. The findings contained herein have been prepared in accordance with accepted professional practices at the time of this preparation, as applied by similar professionals in the community. There is a possibility that conditions may exist which could not be identified within the scope of the study or which were not apparent during the site visit. This inspection covered only those areas that were exposed and/or physically accessible to the inspector. This study is also limited to the information provided by the client at the time the survey was conducted. If any additional suspected asbestos-containing materials are found during renovation or demolition activities; VES should be contacted to sample these additional materials.

We appreciate this opportunity to provide our professional services for this project. If we can be of further assistance, or if you have any questions concerning this report, please do not hesitate to call us at (919) 250-9918.

Sincerely,

VISION ENVIRONMENTAL SOLUTIONS, LLC

Joseph J. Lightner
NC Asbestos Building Inspector # 11894

Attachments:

Appendix A – Laboratory Analytical Results and Chain of Custody Sheets
Appendix B – Floor Plan and Sample Location Map

APPENDIX A

LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY SHEETS

EMSL Analytical, Inc.
2500 Gateway Centre Blvd., Suite 600, Morrisville, NC 27560
Phone/Fax: (919) 465-3900 / (919) 465-3950
http://www.EMSL.com raleighlab@emsl.com

EMSL Order:	291504223
CustomerID:	MIDA51
CustomerPO:	
ProjectID:	

Attn: **Eric Aufderhaar**
Mid-Atlantic Associates, Inc.
409 Rogers View Court

Raleigh, NC 27610

Project: **3900 Electronics Drive**

Phone:	(919) 250-9918
Fax:	(919) 250-9950
Received:	07/20/15 2:50 PM
Analysis Date:	7/23/2015
Collected:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
01-Floor Tile *291504223-0001*	9x9 Gray Floor Tile	White Fibrous Heterogeneous			98%	Non-fibrous (other)	**2%**	**Chrysotile**
1-Mastic *291504223-0001A*	9x9 Gray Floor Tile	Black Fibrous Homogeneous	2%	Cellulose	93%	Non-fibrous (other)	**5%**	**Chrysotile**
02-VBM *291504223-0002*	VBM	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**	
02-Mastic *291504223-0002A*	VBM	Brown/Tan Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**	
03 *291504223-0003*	2x4 Ceiling Tile	White Fibrous Homogeneous	30% 40%	Cellulose Min. Wool	15% 15%	Perlite Non-fibrous (other)	**None Detected**	
04-Floor Tile *291504223-0004*	12x12 Beige Floor Tile	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**	
04-Mastic *291504223-0004A*	12x12 Beige Floor Tile	Black Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)	**<1%**	**Chrysotile**
05-Floor Tile *291504223-0005*	12x12 Beige Floor Tile	Beige Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**None Detected**	

Analyst(s)

Billy Barnes (70)
Essie Spencer (59)

Essie Spencer, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

Initial report from 07/23/2015 11:09:32

EMSL Analytical, Inc.
2500 Gateway Centre Blvd., Suite 600, Morrisville, NC 27560
Phone/Fax: (919) 465-3900 / (919) 465-3950
http://www.EMSL.com raleighlab@emsl.com

EMSL Order:	291504223
CustomerID:	MIDA51
CustomerPO:	
ProjectID:	

Attn: **Eric Aufderhaar**
Mid-Atlantic Associates, Inc.
409 Rogers View Court

Raleigh, NC 27610

Phone:	(919) 250-9918
Fax:	(919) 250-9950
Received:	07/20/15 2:50 PM
Analysis Date:	7/23/2015
Collected:	

Project: **3900 Electronics Drive**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
05-Mastic *291504223-0005A*	12x12 Beige Floor Tile	Black Fibrous Homogeneous	3%	Cellulose	92%	Non-fibrous (other)	**5%**	**Chrysotile**
06-Cove Base *291504223-0006*	VBM	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
06-Mastic *291504223-0006A*	VBM	Brown Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)		**None Detected**
07-Floor Tile *291504223-0007*	9x9 Beige Floor Tile	White Fibrous Homogeneous			98%	Non-fibrous (other)	**2%**	**Chrysotile**
07-Mastic *291504223-0007A*	9x9 Beige Floor Tile	Black Fibrous Homogeneous	3%	Cellulose	92%	Non-fibrous (other)	**5%**	**Chrysotile**
08 *291504223-0008*	Wallboard	Brown/White Fibrous Homogeneous	15%	Cellulose	85%	Non-fibrous (other)		**None Detected**
09 *291504223-0009*	2x4 Ceiling Tile	White Fibrous Homogeneous	30% 40%	Cellulose Min. Wool	15% 15%	Perlite Non-fibrous (other)		**None Detected**
10-Floor Tile *291504223-0010*	9x9 Gray Floor Tile	White Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**<1%**	**Chrysotile**

Analyst(s)

Billy Barnes (70)
Essie Spencer (59)

Essie Spencer, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

Initial report from 07/23/2015 11:09:32

EMSL Analytical, Inc.
2500 Gateway Centre Blvd., Suite 600, Morrisville, NC 27560
Phone/Fax: (919) 465-3900 / (919) 465-3950
http://www.EMSL.com raleighlab@emsl.com

EMSL Order:	291504223
CustomerID:	MIDA51
CustomerPO:	
ProjectID:	

Attn: **Eric Aufderhaar**
Mid-Atlantic Associates, Inc.
409 Rogers View Court

Raleigh, NC 27610

Project: **3900 Electronics Drive**

Phone:	(919) 250-9918
Fax:	(919) 250-9950
Received:	07/20/15 2:50 PM
Analysis Date:	7/23/2015
Collected:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
10-Mastic *291504223-0010A*	9x9 Gray Floor Tile	Black Fibrous Homogeneous	2%	Cellulose	93%	Non-fibrous (other)	**5%**	**Chrysotile**
11-Floor Tile *291504223-0011*	12x12 Beige Floor Tile	White Fibrous Homogeneous			97%	Non-fibrous (other)	**3%**	**Chrysotile**
11-Mastic *291504223-0011A*	12x12 Beige Floor Tile	Black Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)		**None Detected**
12-VBM *291504223-0012*	VBM	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
12-Mastic *291504223-0012A*	VBM	Brown Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)		**None Detected**
13-Floor Tile *291504223-0013*	9x9 Gray Floor Tile	Gray Fibrous Homogeneous			100%	Non-fibrous (other)	**<1%**	**Chrysotile**
13-Mastic *291504223-0013A*	9x9 Gray Floor Tile	Black Fibrous Homogeneous	2%	Cellulose	93%	Non-fibrous (other)	**5%**	**Chrysotile**
14 *291504223-0014*	2x4 Ceiling Board	White Fibrous Homogeneous	15% 5%	Glass Cellulose	80%	Non-fibrous (other)		**None Detected**

Analyst(s)

Billy Barnes (70)
Essie Spencer (59)

Essie Spencer, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

Initial report from 07/23/2015 11:09:32

EMSL Analytical, Inc.
2500 Gateway Centre Blvd., Suite 600, Morrisville, NC 27560
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EMSL Order:	291504223
CustomerID:	MIDA51
CustomerPO:	
ProjectID:	

Attn: **Eric Aufderhaar**
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409 Rogers View Court

Raleigh, NC 27610

Project: **3900 Electronics Drive**

Phone:	(919) 250-9918
Fax:	(919) 250-9950
Received:	07/20/15 2:50 PM
Analysis Date:	7/23/2015
Collected:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
15-Floor Tile *291504223-0015*	9x9 Gray Floor Tile	Gray Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
15-Mastic *291504223-0015A*	9x9 Gray Floor Tile	Black Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)	**<1%**	**Chrysotile**
16-Floor Tile *291504223-0016*	9x9 Gray Floor Tile	White Fibrous Homogeneous			100%	Non-fibrous (other)	**<1%**	**Chrysotile**
16-Mastic *291504223-0016A*	9x9 Gray Floor Tile	Black Fibrous Homogeneous	5%	Cellulose	92%	Non-fibrous (other)	**3%**	**Chrysotile**
17-Floor Tile *291504223-0017*	9x9 Gray Floor Tile	White Fibrous Homogeneous			99%	Non-fibrous (other)	**1%**	**Chrysotile**
17-Mastic *291504223-0017A*	9x9 Gray Floor Tile	Black Fibrous Homogeneous	5%	Cellulose	90%	Non-fibrous (other)	**5%**	**Chrysotile**
18-Floor Tile *291504223-0018*	12x12 Beige Floor Tile	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
18-Mastic *291504223-0018A*	12x12 Beige Floor Tile	Black Fibrous Homogeneous	3%	Cellulose	92%	Non-fibrous (other)	**5%**	**Chrysotile**

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Project: **3900 Electronics Drive**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
19-VBM *291504223-0019*	VBM	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
19-Mastic *291504223-0019A*	VBM	Brown Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)		**None Detected**
20-Floor Tile *291504223-0020*	9x9 Gray Floor Tile	Beige Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**<1%**	**Chrysotile**
20-Mastic *291504223-0020A*	9x9 Gray Floor Tile	Black Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**<1%**	**Chrysotile**
21-Floor Tile *291504223-0021*	12x12 Beige Floor Tile	Brown Fibrous Homogeneous			97%	Non-fibrous (other)	**3%**	**Chrysotile**
21-Mastic *291504223-0021A*	12x12 Beige Floor Tile	Black Fibrous Homogeneous	3%	Cellulose	92%	Non-fibrous (other)	**5%**	**Chrysotile**
22 *291504223-0022*	2x2 Ceiling Tile	Tan Fibrous Homogeneous	45% 30%	Min. Wool Cellulose	25%	Non-fibrous (other)		**None Detected**
23 *291504223-0023*	Black Mastic	Black Fibrous Homogeneous	5%	Cellulose	87%	Non-fibrous (other)	**8%**	**Chrysotile**

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Project: **3900 Electronics Drive**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
24 *291504223-0024*	Black Mastic	Black Fibrous Homogeneous	5%	Cellulose	87%	Non-fibrous (other)	**8%**	**Chrysotile**
25-Floor Tile *291504223-0025*	12x12 Beige Floor Tile	Beige Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)		**None Detected**
25-Mastic *291504223-0025A*	12x12 Beige Floor Tile	Black Fibrous Homogeneous	3%	Cellulose	94%	Non-fibrous (other)	**3%**	**Chrysotile**
26-Floor Tile *291504223-0026*	12x12 Beige Floor Tile	Beige Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
26-Mastic *291504223-0026A*	12x12 Beige Floor Tile	Black Fibrous Homogeneous			97%	Non-fibrous (other)	**3%**	**Chrysotile**
27-VBM *291504223-0027*	VBM	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
27-Mastic *291504223-0027A*	VBM	Tan Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)		**None Detected**
28-Floor Tile *291504223-0028*	9x9 Gray Floor Tile	Beige Fibrous Homogeneous			100%	Non-fibrous (other)	**<1%**	**Chrysotile**

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Project: **3900 Electronics Drive**

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Fax:	(919) 250-9950
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
28-Mastic *291504223-0028A*	9x9 Gray Floor Tile	Black Fibrous Homogeneous	2%	Cellulose	93%	Non-fibrous (other)	**5%**	**Chrysotile**
29-Floor Tile *291504223-0029*	9x9 Gray Floor Tile	Beige Fibrous Homogeneous			100%	Non-fibrous (other)	**<1%**	**Chrysotile**
29-Mastic *291504223-0029A*	9x9 Gray Floor Tile	Black Fibrous Homogeneous	3%	Cellulose	92%	Non-fibrous (other)	**5%**	**Chrysotile**
30-VBM *291504223-0030*	VBM	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
30-Mastic *291504223-0030A*	VBM	Tan Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)		**None Detected**
31-Floor Tile *291504223-0031*	12x12 Beige Floor Tile	Gray Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
31-Mastic *291504223-0031A*	12x12 Beige Floor Tile	Black Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)		**None Detected**
32-Floor Tile *291504223-0032*	9x9 Gray Floor Tile	Gray Fibrous Homogeneous			100%	Non-fibrous (other)	**<1%**	**Chrysotile**

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Analysis Date:	7/23/2015
Collected:	

Project: **3900 Electronics Drive**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
32-Mastic *291504223-0032A*	9x9 Gray Floor Tile	Black Fibrous Homogeneous	3%	Cellulose	92%	Non-fibrous (other)	**5% Chrysotile**
33-VBM *291504223-0033*	VBM	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
33-Mastic *291504223-0033A*	VBM	Brown Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**None Detected**
34 *291504223-0034*	Pipe Elbow Insulation	Gray Fibrous Homogeneous	45% 2%	Min. Wool Cellulose	53%	Non-fibrous (other)	**None Detected**
35 *291504223-0035*	2x4 Ceiling Tile	White Fibrous Homogeneous	30% 40%	Cellulose Min. Wool	15% 15%	Perlite Non-fibrous (other)	**None Detected**
36-Floor Tile *291504223-0036*	12x12 Beige Floor Tile	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
36-Mastic *291504223-0036A*	12x12 Beige Floor Tile	Black Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**
37 *291504223-0037*	2x4 Ceiling Tile	White Fibrous Homogeneous	30% 40%	Cellulose Min. Wool	15% 15%	Perlite Non-fibrous (other)	**None Detected**

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
38-VBM *291504223-0038*	VBM	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
38-Mastic *291504223-0038A*	VBM	Tan Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)		**None Detected**
39-Floor Tile *291504223-0039*	12x12 Beige Floor Tile	Beige Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
39-Mastic *291504223-0039A*	12x12 Beige Floor Tile	Black Fibrous Homogeneous	3%	Cellulose	92%	Non-fibrous (other)	**5%**	**Chrysotile**
40-Floor Tile *291504223-0040*	12x12 Gray Floor Tile	Beige Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
40-Mastic *291504223-0040A*	12x12 Gray Floor Tile	Black Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)		**None Detected**
41-Linoleum *291504223-0041*	Linoleum	Brown/Tan Fibrous Heterogeneous	55% 10%	Cellulose Glass	35%	Non-fibrous (other)		**None Detected**
41-Mastic *291504223-0041A*	Linoleum	Brown/Black Fibrous Homogeneous	5%	Cellulose	92%	Non-fibrous (other)	**3%**	**Chrysotile**

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
42 *291504223-0042*	Linoleum	Tan/Beige Fibrous Homogeneous	10% 3%	Cellulose Glass	87%	Non-fibrous (other)		**None Detected**
43-Floor Tile *291504223-0043*	9x9 Blue Floor Tile	Blue Fibrous Homogeneous	3%	Cellulose	95%	Non-fibrous (other)	**2%**	**Chrysotile**
43-Mastic *291504223-0043A*	9x9 Blue Floor Tile	Brown/Black Fibrous Homogeneous	5%	Cellulose	87%	Non-fibrous (other)	**8%**	**Chrysotile**
44-Floor Tile *291504223-0044*	12x12 Floor Tile w/ Blue Coating	Gray/Tan Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)		**None Detected**
44-Mastic *291504223-0044A*	12x12 Floor Tile w/ Blue Coating	Brown/Black Fibrous Homogeneous	5%	Cellulose	87%	Non-fibrous (other)	**8%**	**Chrysotile**
45 *291504223-0045*	Wallboard	Brown/Tan Fibrous Heterogeneous	35%	Cellulose	65%	Non-fibrous (other)		**None Detected**
46 *291504223-0046*	VBM	Tan Fibrous Homogeneous	3%	Cellulose	97%	Non-fibrous (other)		**None Detected**
47 *291504223-0047*	Ceiling Insulation	Gray Fibrous Homogeneous	5% 50%	Cellulose Min. Wool	45%	Non-fibrous (other)		**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
48 *291504223-0048*	Ceiling Insulation	Gray Fibrous Homogeneous	5% 60%	Cellulose Min. Wool	35%	Non-fibrous (other)	**None Detected**
49 *291504223-0049*	Floor Coating	Tan/Beige Non-Fibrous Homogeneous	3% 3%	Cellulose Glass	94%	Non-fibrous (other)	**None Detected**
50 *291504223-0050*	2x4 Ceiling Tile	Tan/White Fibrous Heterogeneous	40% 20%	Cellulose Min. Wool	20% 20%	Perlite Non-fibrous (other)	**None Detected**
51-Floor Tile *291504223-0051*	12x12 Biege Floor Tile	Beige Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)	**None Detected**
51-Mastic *291504223-0051A*	12x12 Biege Floor Tile	Tan Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)	**None Detected**
52 *291504223-0052*	VBM	Tan Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**
53-Floor Tile *291504223-0053*	12x12 Beige Floor Tile	Beige Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**None Detected**
53-Mastic *291504223-0053A*	12x12 Beige Floor Tile	Tan Fibrous Homogeneous	8%	Cellulose	92%	Non-fibrous (other)	**None Detected**

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Essie Spencer, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

Initial report from 07/23/2015 11:09:32

EMSL Analytical, Inc.
2500 Gateway Centre Blvd., Suite 600, Morrisville, NC 27560
Phone/Fax: (919) 465-3900 / (919) 465-3950
http://www.EMSL.com raleighlab@emsl.com

EMSL Order:	291504223
CustomerID:	MIDA51
CustomerPO:	
ProjectID:	

Attn: **Eric Aufderhaar**
Mid-Atlantic Associates, Inc.
409 Rogers View Court

Raleigh, NC 27610

Phone:	(919) 250-9918
Fax:	(919) 250-9950
Received:	07/20/15 2:50 PM
Analysis Date:	7/23/2015
Collected:	

Project: **3900 Electronics Drive**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
54 *291504223-0054*	2x4 Ceiling Tile	Tan/Beige Fibrous Heterogeneous	40% 20%	Cellulose Min. Wool	20% 20%	Perlite Non-fibrous (other)	**None Detected**
55-Floor Tile *291504223-0055*	12x12 Beige Floor Tile	Tan/Beige Fibrous Heterogeneous	3%	Cellulose	97%	Non-fibrous (other)	**None Detected**
55-Mastic *291504223-0055A*	12x12 Beige Floor Tile	Brown/Black Fibrous Homogeneous	8%	Cellulose	92%	Non-fibrous (other)	**None Detected**
56 *291504223-0056*	2x4 Ceiling Tile	Tan/White Fibrous Heterogeneous	40% 20%	Cellulose Min. Wool	20% 20%	Perlite Non-fibrous (other)	**None Detected**
57-Floor Tile *291504223-0057*	12x12 Beige Floor Tile	Tan/Beige Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)	**None Detected**
57-Mastic *291504223-0057A*	12x12 Beige Floor Tile	Brown/Black Fibrous Homogeneous	8%	Cellulose	92%	Non-fibrous (other)	**None Detected**
58 *291504223-0058*	VBM	Beige Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**
59-Floor Tile *291504223-0059*	12x12 Beige Floor Tile	Beige Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

Analyst(s)

Billy Barnes (70)
Essie Spencer (59)

Essie Spencer, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000276, WVA LT000296

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EMSL Order:	291504223
CustomerID:	MIDA51
CustomerPO:	
ProjectID:	

Attn: **Eric Aufderhaar**
Mid-Atlantic Associates, Inc.
409 Rogers View Court

Raleigh, NC 27610

Project: **3900 Electronics Drive**

Phone:	(919) 250-9918
Fax:	(919) 250-9950
Received:	07/20/15 2:50 PM
Analysis Date:	7/23/2015
Collected:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
59-Mastic *291504223-0059A*	12x12 Beige Floor Tile	Tan Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)		**None Detected**
60 *291504223-0060*	1x1 Ceiling Tile Glue	Brown/Tan Fibrous Heterogeneous	2% 5%	Cellulose Wollastonite	93%	Non-fibrous (other)		**None Detected**
61 *291504223-0061*	1x1 Ceiling Tile	Tan/White Fibrous Heterogeneous	45% 20%	Cellulose Min. Wool	20% 15%	Perlite Non-fibrous (other)		**None Detected**
62 *291504223-0062*	1x1 Ceiling Tile	Tan/White Fibrous Heterogeneous	40% 20%	Cellulose Min. Wool	20% 20%	Perlite Non-fibrous (other)		**None Detected**
63 *291504223-0063*	1x1 Ceiling Tile Glue	Brown/White Fibrous Homogeneous	5% 10%	Cellulose Glass	85%	Non-fibrous (other)		**None Detected**
64-Floor Tile *291504223-0064*	9x9 Beige Floor Tile	Tan/Beige Fibrous Heterogeneous	5% 5%	Cellulose Wollastonite	90%	Non-fibrous (other)	**<1%**	**Chrysotile**
64-Mastic *291504223-0064A*	9x9 Beige Floor Tile	Brown/Black Fibrous Homogeneous	5%	Cellulose	90%	Non-fibrous (other)	**5%**	**Chrysotile**
65 *291504223-0065*	VBM	Tan Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)		**None Detected**

Analyst(s)

Billy Barnes (70)
Essie Spencer (59)

Essie Spencer, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

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EMSL Order:	291504223
CustomerID:	MIDA51
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Attn: **Eric Aufderhaar**
Mid-Atlantic Associates, Inc.
409 Rogers View Court

Raleigh, NC 27610

Project: **3900 Electronics Drive**

Phone:	(919) 250-9918
Fax:	(919) 250-9950
Received:	07/20/15 2:50 PM
Analysis Date:	7/23/2015
Collected:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
66 *291504223-0066*	2x4 Ceiling Tile	White/Beige Fibrous Heterogeneous	40% 20%	Cellulose Min. Wool	20% 20%	Perlite Non-fibrous (other)		**None Detected**
67 *291504223-0067*	VBM	Tan Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)		**None Detected**
68 *291504223-0068*	2x4 Ceiling Tile	Brown/Tan Fibrous Homogeneous	40% 20%	Cellulose Min. Wool	20% 20%	Perlite Non-fibrous (other)		**None Detected**
69 *291504223-0069*	2x2 Ceiling Tile	Tan/White Fibrous Heterogeneous	40% 20%	Cellulose Min. Wool	20% 20%	Perlite Non-fibrous (other)		**None Detected**
70-Floor Tile *291504223-0070*	9x9 Beige Floor Tile	Tan Fibrous Homogeneous	5%	Cellulose	93%	Non-fibrous (other)	**2%**	**Chrysotile**
70-Mastic *291504223-0070A*	9x9 Beige Floor Tile	Brown/Black Fibrous Homogeneous	5%	Cellulose	90%	Non-fibrous (other)	**5%**	**Chrysotile**
71 *291504223-0071*	VBM	Tan Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)		**None Detected**
72-Floor Tile *291504223-0072*	9x9 Beige Floor Tile	Beige Fibrous Homogeneous	5%	Cellulose	93%	Non-fibrous (other)	**2%**	**Chrysotile**

Analyst(s)

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Essie Spencer (59)

Essie Spencer, Laboratory Manager
or other approved signatory

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EMSL Order:	291504223
CustomerID:	MIDA51
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ProjectID:	

Attn: **Eric Aufderhaar**
Mid-Atlantic Associates, Inc.
409 Rogers View Court

Raleigh, NC 27610

Project: **3900 Electronics Drive**

Phone:	(919) 250-9918
Fax:	(919) 250-9950
Received:	07/20/15 2:50 PM
Analysis Date:	7/23/2015
Collected:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
72-Mastic *291504223-0072A*	9x9 Beige Floor Tile	Brown/Black Fibrous Homogeneous	5% 2%	Cellulose Synthetic	88%	Non-fibrous (other)	**5%**	**Chrysotile**
73 *291504223-0073*	1x1 Ceiling Tile	Brown/White Fibrous Heterogeneous	85%	Cellulose	15%	Non-fibrous (other)		**None Detected**
74-Floor Tile *291504223-0074*	9x9 Beige Floor Tile	Beige Fibrous Homogeneous	5%	Cellulose	93%	Non-fibrous (other)	**2%**	**Chrysotile**
74-Mastic *291504223-0074A*	9x9 Beige Floor Tile	Brown/Black Fibrous Homogeneous	5%	Cellulose	87%	Non-fibrous (other)	**8%**	**Chrysotile**
75-Floor Tile *291504223-0075*	9x9 Beige Floor Tile	Beige Fibrous Homogeneous	5% 2%	Cellulose Wollastonite	93%	Non-fibrous (other)	**<1%**	**Chrysotile**
75-Mastic *291504223-0075A*	9x9 Beige Floor Tile	Brown/Black Fibrous Homogeneous	8%	Cellulose	84%	Non-fibrous (other)	**8%**	**Chrysotile**
76 *291504223-0076*	1x1 Ceiling Tile	Brown/White Fibrous Homogeneous	85%	Cellulose	15%	Non-fibrous (other)		**None Detected**
77-Floor Tile *291504223-0077*	12x12 Beige Floor Tile	Tan Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)		**None Detected**

Analyst(s)

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Essie Spencer (59)

Essie Spencer, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

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EMSL Order:	291504223
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ProjectID:	

Attn: **Eric Aufderhaar**
Mid-Atlantic Associates, Inc.
409 Rogers View Court

Raleigh, NC 27610

Phone:	(919) 250-9918
Fax:	(919) 250-9950
Received:	07/20/15 2:50 PM
Analysis Date:	7/23/2015
Collected:	

Project: **3900 Electronics Drive**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
77-Mastic *291504223-0077A*	12x12 Beige Floor Tile	Brown/Black Fibrous Homogeneous	8%	Cellulose	92%	Non-fibrous (other)	**None Detected**
78 *291504223-0078*	VBM	Tan Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**
79 *291504223-0079*	Wallboard	Brown/White Fibrous Heterogeneous	25% 5%	Cellulose Glass	70%	Non-fibrous (other)	**None Detected**
80 *291504223-0080*	2x4 Ceiling Tile	Tan/White Fibrous Heterogeneous	40% 20%	Cellulose Min. Wool	20% 20%	Perlite Non-fibrous (other)	**None Detected**
81 *291504223-0081*	1x1 Ceiling Tile	Tan/White Fibrous Heterogeneous	5% 25%	Cellulose Min. Wool	70%	Non-fibrous (other)	**None Detected**
82 *291504223-0082*	Ceiling Fireproofing Texture	Yellow/Green Fibrous Heterogeneous	5% 80%	Cellulose Min. Wool	15%	Non-fibrous (other)	**None Detected**
83 *291504223-0083*	Roofing Materials	Brown/White/Black Fibrous Heterogeneous	10% 25%	Cellulose Glass	65%	Non-fibrous (other)	**None Detected**
84 *291504223-0084*	Roofing Materials	Brown/White/Black Fibrous Heterogeneous	5% 25%	Cellulose Glass	70%	Non-fibrous (other)	**None Detected**

Analyst(s)

Billy Barnes (70)
Essie Spencer (59)

Essie Spencer, Laboratory Manager
or other approved signatory

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EMSL Order:	291504223
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Attn: **Eric Aufderhaar**
Mid-Atlantic Associates, Inc.
409 Rogers View Court

Raleigh, NC 27610

Project: **3900 Electronics Drive**

Phone:	(919) 250-9918
Fax:	(919) 250-9950
Received:	07/20/15 2:50 PM
Analysis Date:	7/23/2015
Collected:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
85	Roofing Materials	Brown/White/Black	5%	Cellulose	70%	Non-fibrous (other)	**None Detected**
291504223-0085		Fibrous Heterogeneous	25%	Glass			

Analyst(s)

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Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

Initial report from 07/23/2015 11:09:32

THIS IS THE LAST PAGE OF THE REPORT.

OrderID: 291504223

Chain of Custody

EMSL

Mid-Atlantic Associates, Inc.
3900 Electronics Drive
7/20/2015 14 50
PLM
Ple.

TAT: 72 Hour
Bulk

Order ID: 291504223
No Samples: 85
Due: 07/23 2 50 PM
Fax: 919-250-9950

EMSL Analytical, Inc.
1101 Aviation Parkway
Suite A
'e, NC 27560
9-465-3900
465-3950
'w.emsl.com

[redacted]	Mid-Atlantic Associates, Inc.	[redacted]	Mid-Atlantic Associates, Inc.
[redacted]	409 Rogers View Court	[redacted]	409 Rogers View Court
[redacted]		[redacted]	
[redacted]	Raleigh, NC	[redacted]	Raleigh, NC
[redacted]	27610	[redacted]	27610
[redacted]	US	[redacted]	US
[redacted]	Eric Aufderhaar	[redacted]	Eric Aufderhaar
[redacted]	919-250-9918	[redacted]	919-250-9918
[redacted]	919-250-9950	[redacted]	919-250-9950
[redacted]	eaufderhaar@maaonline.com	[redacted]	eaufderhaar@maaonline com. vesllc@gmail.com
[redacted]		[redacted]	

3900 [redacted] Electronics Drive

MATRIX

- [ ] Air
- [ ] Soil
- [ ] Micro-Vac
- [x] Bulk
- [ ] Drinking Water
- [ ] Wipe
- [ ] Wastewater

TURNAROUND

- [ ] 3 Hours
- [ ] 6 Hours
- [ ] Same Day or 12 Hours*
- [ ] 24 Hours (1 day)
- [ ] 48 Hours (2 days)
- [x] 72 Hours (3 days)
- [ ] 96 Hours (4 days)
- [ ] 120 Hours (5 days)
- [ ] 144+ hours (6-10 days)

TEM AIR, 3 hours, 6 hours, Please call ahead to schedule. There is a premium charge for 3-hour tat, please call 1-800-220 3675 for price prior to sending samples. You will be asked to sign an authorization form for this service.

*12 hours (must arrive by 11:00a.m. Mon -Fri), Please Refer to Price Quote

PCM - Air

- [ ] NIOSH 7400(A) Issue 2, August 1994
- [ ] OSHA w/TWA
- [ ] Other:

TEM Air

- [ ] AHERA 40 CFR, Part 763 Subpart E
- [ ] NIOSH 7402
- [ ] EPA Level II

TEM WATER

- [ ] EPA 100.1
- [ ] EPA 100.2
- [ ] NYS 198.2

PLM - Bulk

- [x] EPA 600/R-93/116
- [ ] EPA Point Count
- [ ] NY Stratified Point Count
- [ ] PLM NOB (Gravimetric) NYS 198.1
- [ ] NIOSH 9002:
- [ ] EMSL Standard Addition:

TEM BULK

- [ ] Drop Mount (Qualitative)
- [ ] Chatfield SOP - 1988-02
- [ ] TEM NOB (Gravimetric) NYS 198.4
- [ ] EMSL Standard Addition:

TEM Microvac/Wipe

- [ ] ASTM D 5755-95 (quantative method)
- [ ] Wipe Qualitative

XRD

- [ ] Asbestos
- [ ] Silica NIOSH 7500

SEM Air or Bulk

PLM Soil

- [ ] EPA Protocol Qualitative

Mid-Atlantic Associates, Inc.
3900 Electronics Drive
7/20/2015 14:50 TAT: 72 Hour
PLM Bulk

Order ID. 291504223
No Samples: 85
Due: 07/23 2:50 PM
Fax: 919-250-9950

MSL Analytical, Inc
1 Aviation Parkway
e A
risville, NC 27560
one: 919-465-3900
Fax: 919-465-3950
http //www emsl com

Please print all information legibly.

Client Sample # (s) 01 - 85 **Total Samples #:** 85

Relinquished: [signature] **Date:** 7-20-15 **Time**

Received [signature] **Date** 7-20-15 **Time:** 2:50

Relinquished: **Date** **Time**

Received **Date** **Time.**

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME (if applicable)
01	9x9 Gray Floor Tile	
02	VBM	
03	2x4 Ceiling Tile	
04	12x12 Beige Floor Tile	
05	12x12 Beige Floor Tile	
06	VBM	
07	9x9 Beige Floor Tile	
08	Wall Board	
09	2x4 Ceiling Tile	
10	9x9 Gray Floor Tile	
11	12x12 Beige Floor Tile	
12	VBM	
13	9x9 Gray Floor Tile	
14	2x4 Ceiling Board	
15	9x9 Gray Floor Tile	
16	9x9 Gray Floor Tile	

17 9x9 Gray Floor Tile
18 12x12 Beige Floor Tile
19 VBM
20 9x9 Gray Floor Tile
21 12x12 Beige Floor Tile
22 2x2 Ceiling Tile
23 Black Mastic
24 Black Mastic
25 12x12 Beige Floor Tile
26 12x12 Beige Floor Tile
27 VBM
28 9x9 Gray Floor Tile
29 9x9 Gray Floor Tile
30 VBM
31 12x12 Beige Floor Tile
32 9x9 Gray Floor Tile
33 VBM
34 Pipe Elbow insulation
35 2x4 Ceiling Tile
36 12x12 Beige Floor Tile
37 2x4 Ceiling Tile
38 VBM
39 12x12 Beige Floor Tile
40 12x12 Gray Floor Tile

Mid-Atlantic Associates, Inc.
3900 Electronics Drive
7/20/2015 14:50
PLM

TAT: 72 Hour
Bulk

Order ID: 291504223
No. Samples: 85
Due: 07/23 2:50 PM
Fax: 919-250-9950

41 Linoleum
42 Linoleum
43 9x9 Blue Floor Tile
44 12x12 Floor Tile with Blue Coating
45 Wallboard
46 VBM
47 Ceiling insulation
48 Ceiling insulation
49 Floor Coating
50 2x4 Ceiling Tile
51 12x12 Beige Floor Tile
52 VBM
53 12x12 Beige Floor Tile
54 2x4 Ceiling Tile
55 12x12 Beige Floor Tile
56 2x4 Ceiling Tile
57 12x12 Beige Floor Tile
58 VBM
59 12x12 Beige Floor Tile
60 1x1 Ceiling Tile glue
61 1x1 Ceiling Tile
62 1x1 Ceiling Tile
63 1x1 Ceiling Tile glue

Mid-Atlantic Associates, Inc.
3900 Electronics Drive
7/20/2015 1:50
PLM

TAT: 72 Hour
Bulk

Order ID: 291504223
No Samples: 85
Due: 07/23 2:50 PM
Fax: 919-250-9950

64 9x9 Beige Floor Tile
65 VBM
66 2x4 Ceiling Tile
67 VBM
68 2x4 Ceiling Tile
69 2x2 Ceiling Tile
70 9x9 Beige Floor Tile
71 VBM
72 9x9 Beige Floor Tile
73 1x1 Ceiling Tile
74 9x9 Beige Floor Tile
75 9x9 Beige Floor Tile
76 1x1 Ceiling Tile
77 12 x 12 Beige Floor Tile
78 VBM
79 Wall Board
80 2x4 Ceiling Tile
81 1x1 Ceiling Tile
82 Ceiling Fireproofing Texture
83 Roofing Materials
84 Roofing Materials
85 Roofing Materials

Mid-Atlantic Associates, Inc.
3900 Electronics Drive
7/20/2015 14:50
PLM

TAT: 72 Hour
Bulk

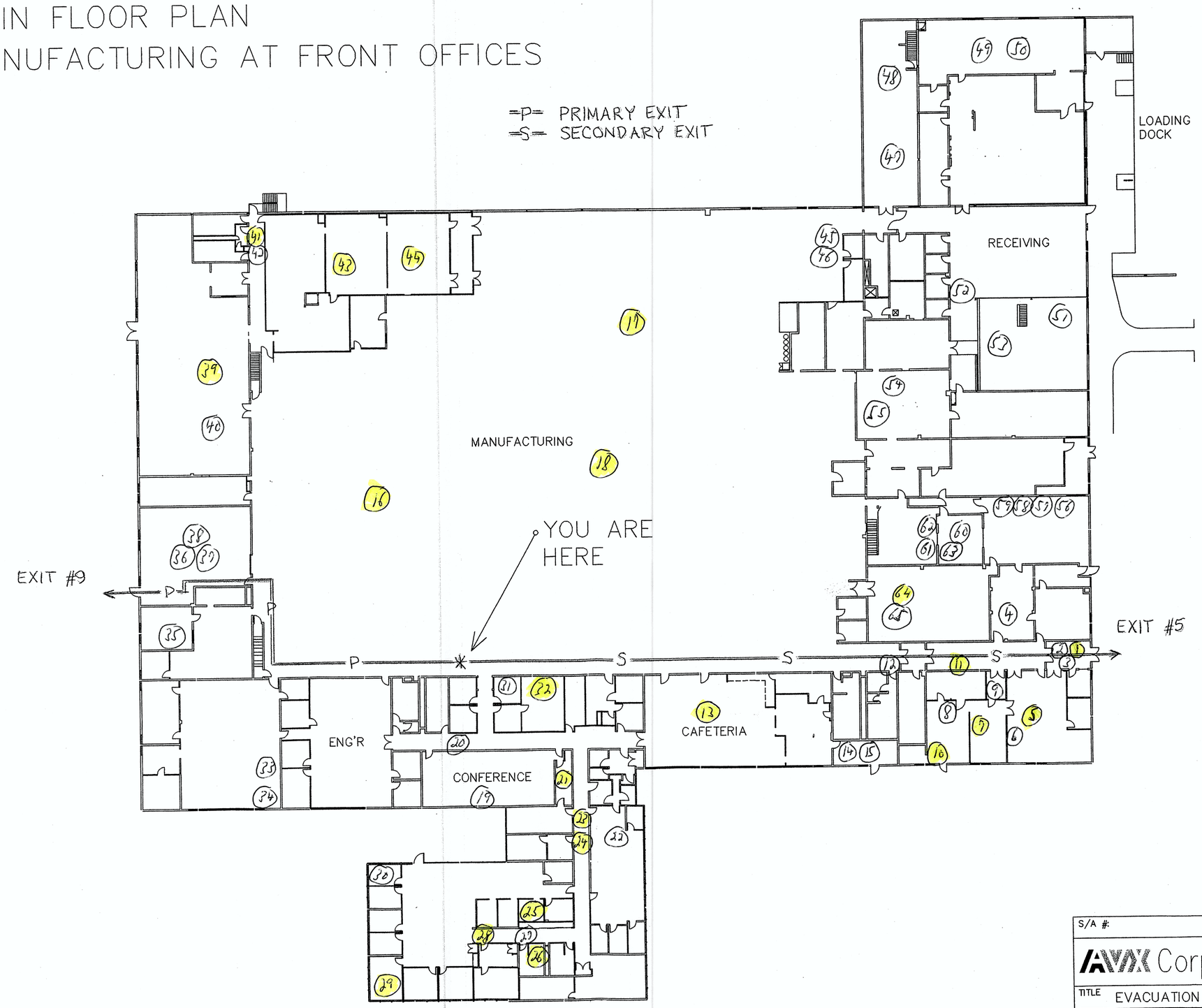
Order ID: 291504223
No Samples: 85
Due: 07/23 2:50 PM
Fax: 919-250-9950

APPENDIX B

FLOOR PLAN AND SAMPLE LOCATION MAP

REV. LET.	REVISION	DATE	BY	APP.
A	UPDATE	2/1/01	CAL	
A	UPDATE	10/2010		

MAIN FLOOR PLAN
MANUFACTURING AT FRONT OFFICES



E
MS
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FOR
MB
OL
COL
MD
RAL X

S/A #:

AVX Corporation

LOCATION: RAL

TITLE: EVACUATION PLAN

USED ON: MAIN FLOOR

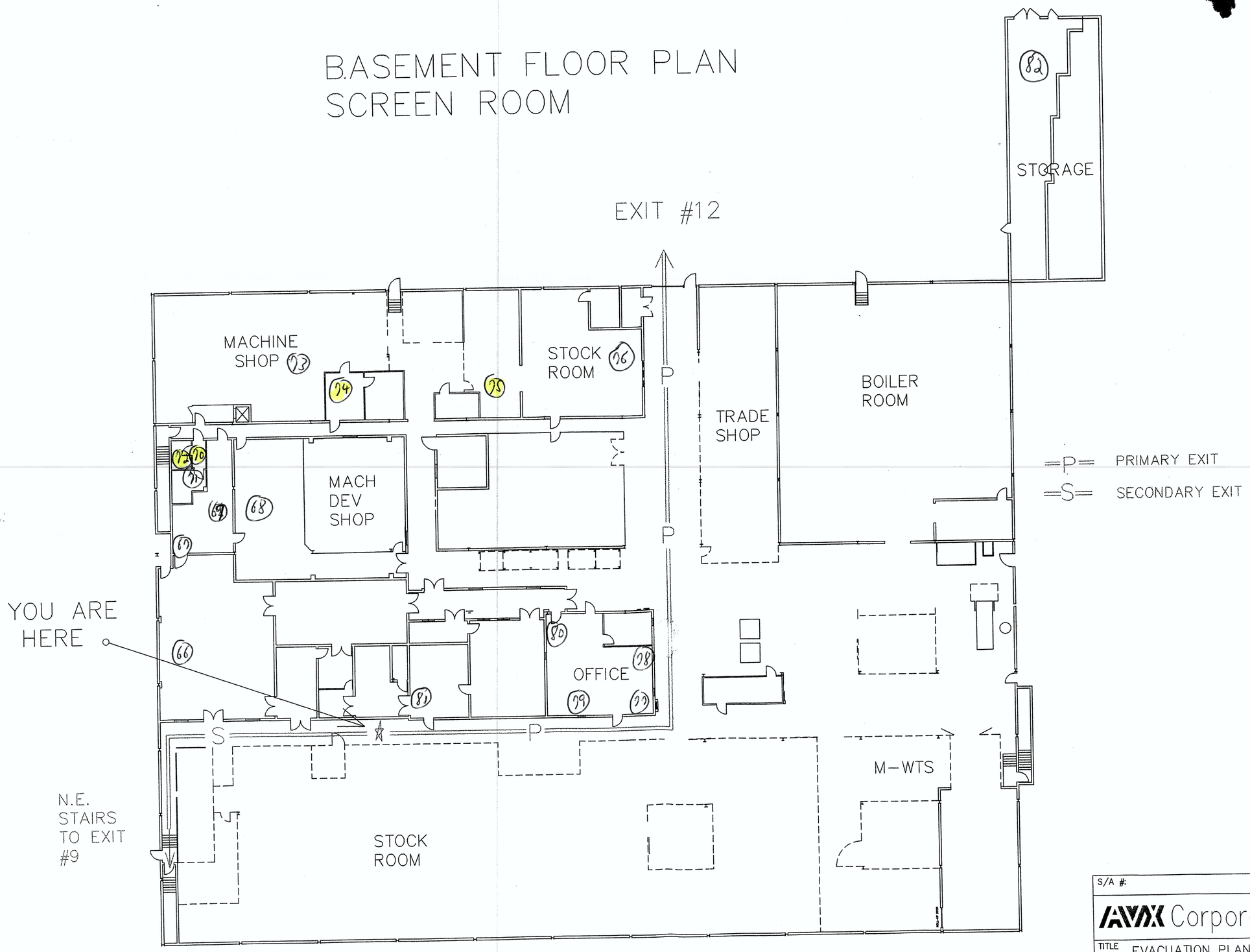
SHEET 1 OF 1

SCALE FULL

DWG. NO. 11

REV. A

BASEMENT FLOOR PLAN
SCREEN ROOM



S/A #:	
AVX Corporation	LOCATION RAL
TITLE EVACUATION PLAN	
USED ON BASEMENT	
SHEET 1 OF 1 SCALE FULL	DWG. NO. 2 — REV A

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EXHIBIT F

LEAD BASED PAINT INSPECTION

Mid Atlantic
Engineering & Environmental Solutions

VISION
ENVIRONMENTAL
SOLUTIONS, LLC

Real Solutions One Client at a Time

July 30, 2015

Mr. Daniel Nielsen
Vice-President
Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Subject: **LEAD-BASED PAINT INSPECTION REPORT**
3900 ELECTRONICS DRIVE
RALEIGH, NORTH CAROLINA
VES PROJECT NO. V150723

Dear Mr. Nielsen:

Mr. Joseph Lightner, of Vision Environmental Solutions, LLC (VES), is pleased to submit the attached lead-based paint inspection report for the referenced property location. The report summarizes our on-site investigations and procedures, Niton Lead Paint Spectrum Analyzer (XRF) test results, and our conclusions based on the data collected.

1.0 INTRODUCTION

3900 Electronics Drive is a cinderblock-sided, vacant office building, located in Raleigh, North Carolina. Mr. Joseph Lightner, North Carolina Risk Assessor No. 120110 performed the lead-based paint inspection services of the building on July 18 and 19, 2015. Instructions as to the location of the areas, access, and an explanation of the areas to be assessed were provided by Mr. Eric Aufderhaar of Mid-Atlantic Associates, Inc. (Mid-Atlantic).

2.0 METHODOLOGY

The inspection was conducted in general accordance with the Environmental Protection Agency (EPA) work practice standards for conducting lead-based paint activities (40 CFR 745.227), the U.S. Department of Housing and Urban Development (HUD) *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*(Guidelines) with the 1997 and 2000 revisions.

7300 Stonecliff Drive*Suite 10 * Raleigh, NC 27615 *
919.215.9996 * VESLLC@gmail.com

2.1 Methodology for Lead-Based Paint Inspection

The lead-based paint survey began with our inspector/risk assessor walking the subject facility and documenting room equivalents, testing combinations, and selecting test locations. After the testing strategy was determined, VES used an XRF to determine the lead content in milligrams per square centimeter (mg/cm^2) of selected painted surfaces on the subject property building.

3.0 FINDINGS FOR LEAD-BASED PAINT INSPECTION

Three-hundred thirty-three (333) samples (including calibration samples) were collected utilizing the XRF to determine the presence of lead-based paint. For paint to be considered "Lead Based Paint", the paint must contain lead concentrations of 0.5% by weight or greater under the EPA guidelines, or contain lead concentrations of 1.0 mg/cm^2 or greater under HUD guidelines.

Lead-based paint **was detected** at concentrations greater than or equal to 1.0 mg/cm^2 as identified in the following table.

3900 Electronics Drive

Room	***Component and Sample #***
1st Floor – See floor plan for exact location	Large Sliding Door and Door Jamb (#86, 87)
1st Floor – See floor plan for exact location	Beige Metal Ladder (#100)
1st Floor – See floor plan for exact location	Beige Door Jamb and Casing (#125, 127)
1st Floor – See floor plan for exact location	Large Sliding Door and Door Jamb (#156, 157)
1st Floor – See floor plan for exact location	Large Sliding Door and Door Jamb (#158, 159)
1st Floor – See floor plan for exact location	Grey Metal Column (#168)
Basement – See floor plan for exact location	Grey Metal Column (#194, 195)
Basement – See floor plan for exact location	Large Sliding Door and Door Jamb (#217, 218)
Basement – See floor plan for exact location	Grey Metal Door (#220)
Basement – See floor plan for exact location	Large Sliding Door and Door Casing (#228, 229)

Room	***Component and Sample #***
Basement – See floor plan for exact location	Boiler Room – Orange Pipe (#240)
Basement – See floor plan for exact location	Yellow Metal Railing (#258)
Basement – See floor plan for exact location	Yellow Metal Railing (#270)
Exterior – See floor plan for exact location	Red Metal Window Panels (#278, 282, 289, 293, 298, 301, 307, 313, 323)

Note: Based on HUD guidelines, the sides of the building, including the walls, windows, doors, and cabinets, are identified by letter. The A-side of the building is the side facing the road and is typically the location of the main entrance door to the apartment. The remaining three sides of the building are denoted with letters B through D moving clockwise from the front of the building. For a list of all surfaces tested and the XRF results, refer to the complete XRF Testing Report contained in Appendix A.

Based on the xrf data; VES has come to the following conclusions:

All exterior red metal window panels should be assumed to contain lead-based paint.

All interior large sliding metal doors and their door jambs and casings should be assumed to contain lead-based paint.

All orange metal piping in the boiler room should be assumed to contain lead-based paint.

4.0 DISCLOSURE

As required by Section 0.0808 of the North Carolina Lead-Based Paint Hazard Management Program, a summary of the lead-based paint inspection activities performed at the site will be forwarded to the North Carolina Department of Health and Human Services – Health Hazards Control Unit. A copy of this summary must be provided to new lessees (tenants) and purchasers of this property under Federal law (24 CFR part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract. The complete report must be provided to new purchasers and it must be made available to new tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet and include standard warning language in their leases or sales contracts to insure that parents have the information they need to protect their children from lead-based paint hazards. Specific questions regarding disclosure requirements should be directed to the US Environmental Protection Agency in Atlanta or to the Lead Clearinghouse at 1-800-424-5323.

5.0 QUALIFICATIONS

This report summarizes VES's evaluation of the conditions observed at the subject property during the course of the survey to identify lead-based paints. Our findings are based upon our observations at the property and sampling performed at the time of the inspection. Additional lead-based paints may exist in other portions of the property but were undetected due to inaccessibility or due to an imperceptible change in paints. Any conditions discovered which deviate from the data contained in this report should be presented to us for our evaluation. The information contained in this report is based upon the data furnished by Mid-Atlantic and observations and test results provided by VES. These observations and results are time dependent and are subject to changing site conditions and revisions to federal, state, and local regulations.

This report was prepared pursuant to the contract VES has with Mid-Atlantic. The contractual relationship included an exchange of information about the property that was unique and between VES and Mid-Atlantic and serves as the basis upon which this report was prepared. Due to the importance of the communication between VES and Mid-Atlantic, reliance or any use of this report by anyone other than Mid-Atlantic; for whom it was prepared, and property managers of this property is prohibited and therefore not foreseeable by VES.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to VES's contract with Mid-Atlantic. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

We appreciate this opportunity to provide professional services for this project. If we can be of further assistance, or if you have any questions concerning this report, please do not hesitate to call us at (919)250-9918.

Sincerely,

VISION ENVIRONMENTAL SOLUTIONS, LLC

Joseph J. Lightner
North Carolina Risk Assessor No. 120110

Attachments:

Appendix A – XRF Testing Report
Appendix B – Floor Plan and Sample Location Map

APPENDIX A

XRF TESTING REPORT

Reading No	Time	Type	Duration	COMPONENT	SUBSTRATE	SIDE	COLOR	SITE	FLOOR	ROOM	Results	PbC
1	7/18/2015 10:05	SHUTTER_CAL	124.56									2.52
2	7/18/2015 10:47	PAINT	6.81			CALIBRATE					Positive	1.1
3	7/18/2015 10:48	PAINT	5.79			CALIBRATE					Negative	0.9
4	7/18/2015 10:48	PAINT	7.83			CALIBRATE					Negative	0.9
5	7/18/2015 10:50	PAINT	2.7	WALL	CINDERBLOCK	A	WHITE	3900 electronics dr	FIRST		Negative	0.01
6	7/18/2015 10:51	PAINT	1.03	DOOR	METAL	A	WHITE	3900 electronics dr	FIRST		Negative	0.01
7	7/18/2015 10:51	PAINT	1.03	DOOR CASING	METAL	A	WHITE	3900 electronics dr	FIRST		Negative	0.08
8	7/18/2015 10:52	PAINT	3.31	WALL	CINDERBLOCK	A	WHITE	3900 electronics dr	FIRST		Negative	0.03
9	7/18/2015 10:53	PAINT	1.04	WINDOW CASING	CINDERBLOCK	A	WHITE	3900 electronics dr	FIRST		Negative	0.01
10	7/18/2015 10:53	PAINT	1.04	DOOR	METAL	A	WHITE	3900 electronics dr	FIRST		Negative	0.01
11	7/18/2015 10:54	PAINT	1.03	WALL	WOOD	A	WHITE	3900 electronics dr	FIRST		Negative	0
12	7/18/2015 10:55	PAINT	2.26	WALL	CINDERBLOCK	A	WHITE	3900 electronics dr	FIRST		Negative	0
13	7/18/2015 10:55	PAINT	1.24	WINDOW CASING	METAL	A	WHITE	3900 electronics dr	FIRST		Negative	0.16
14	7/18/2015 10:56	PAINT	1.04	beam	METAL	A	WHITE	3900 electronics dr	FIRST		Negative	0.17
15	7/18/2015 10:56	PAINT	1.03	CABINET	WOOD	A	GREY	3900 electronics dr	FIRST		Negative	0
16	7/18/2015 10:56	PAINT	1.03	DOOR JAMB	METAL	A	WHITE	3900 electronics dr	FIRST		Negative	0
17	7/18/2015 10:57	PAINT	1.03	UPPER TRIM	METAL	A	WHITE	3900 electronics dr	FIRST		Negative	0.06
18	7/18/2015 10:57	PAINT	1.24	WALL	DRYWALL	A	WHITE	3900 electronics dr	FIRST		Negative	0
19	7/18/2015 10:58	PAINT	3.1	WALL	CINDERBLOCK	A	WHITE	3900 electronics dr	FIRST		Negative	0.01
20	7/18/2015 10:58	PAINT	1.03	DOOR	METAL	A	WHITE	3900 electronics dr	FIRST		Negative	0
21	7/18/2015 10:58	PAINT	1.04	DOOR CASING	METAL	A	WHITE	3900 electronics dr	FIRST		Negative	0
22	7/18/2015 10:59	PAINT	1.03	DOOR	METAL	A	WHITE	3900 electronics dr	FIRST		Negative	0.1
23	7/18/2015 11:00	PAINT	3.11	WALL	CINDERBLOCK	A	WHITE	3900 electronics dr	FIRST		Negative	0
24	7/18/2015 11:00	PAINT	1.03	DOOR JAMB	METAL	A	WHITE	3900 electronics dr	FIRST		Negative	0.02
25	7/18/2015 11:01	PAINT	2.68	WALL	CINDERBLOCK	A	GREY	3900 electronics dr	FIRST		Negative	0
26	7/18/2015 11:02	PAINT	1.04	DOOR CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01
27	7/18/2015 11:02	PAINT	1.03	beam	METAL	A	GREY	3900 electronics dr	FIRST		Negative	0.07
28	7/18/2015 11:04	PAINT	0.41	WALL	DRYWALL	A	BEIGE	3900 electronics dr	FIRST		Null	0.01
29	7/18/2015 11:04	PAINT	3.11	WALL	DRYWALL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.02
30	7/18/2015 11:05	PAINT	1.04	DOOR	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01
31	7/18/2015 11:05	PAINT	1.04	WALL	WOOD	A	WHITE	3900 electronics dr	FIRST		Negative	0
32	7/18/2015 11:10	PAINT	1.45	WALL	WOOD	A	WHITE	3900 electronics dr	FIRST		Negative	0.01
33	7/18/2015 11:11	PAINT	1.03	WINDOW CASING	METAL	A	WHITE	3900 electronics dr	FIRST		Negative	0.05

Reading No	Time	Type	Duration	COMPONENT	SUBSTRATE	SIDE	COLOR	SITE	FLOOR	ROOM	Results	PbC
34	7/18/2015 11:12	PAINT	3.31	WALL	CINDERBLOCK	A	WHITE	3900 electronics dr	FIRST		Negative	0.08
35	7/18/2015 11:13	PAINT	1.03	DOOR	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.03
36	7/18/2015 11:14	PAINT	1.04	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.05
37	7/18/2015 11:14	PAINT	2.5	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0
38	7/18/2015 11:15	PAINT	1.04	DOOR	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01
39	7/18/2015 11:16	PAINT	1.04	DOOR CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.13
40	7/18/2015 11:16	PAINT	1.04	DOOR CASING	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0.05
41	7/18/2015 11:17	PAINT	1.45	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0
42	7/18/2015 11:18	PAINT	1.03	DOOR JAMB	METAL	A	WHITE	3900 electronics dr	FIRST		Negative	0
43	7/18/2015 11:18	PAINT	1.04	beam	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.08
44	7/18/2015 11:19	PAINT	1.04	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.04
45	7/18/2015 11:19	PAINT	3.94	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0.07
46	7/18/2015 11:20	PAINT	1.03	DOOR	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
47	7/18/2015 11:20	PAINT	1.03	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
48	7/18/2015 11:21	PAINT	1.03	DOOR CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.04
49	7/18/2015 11:21	PAINT	1.04	DOOR	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.05
50	7/18/2015 11:22	PAINT	3.31	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0.14
51	7/18/2015 11:23	PAINT	1.04	DOOR	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0.02
52	7/18/2015 11:24	PAINT	2.91	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0
53	7/18/2015 11:24	PAINT	1.03	COLUMN	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.06
54	7/18/2015 11:25	PAINT	1.03	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.03
55	7/18/2015 11:25	PAINT	1.04	DOOR	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
56	7/18/2015 11:26	PAINT	1.04	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.03
57	7/18/2015 11:27	PAINT	3.31	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01
58	7/18/2015 11:27	PAINT	1.04	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.03
59	7/18/2015 11:29	PAINT	3.1	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0
60	7/18/2015 11:29	PAINT	1.04	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.12
61	7/18/2015 11:30	PAINT	1.03	DOOR CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01
62	7/18/2015 11:30	PAINT	1.04	DOOR	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0.06
63	7/18/2015 11:31	PAINT	1.04	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.05
64	7/18/2015 11:31	PAINT	1.04	DOOR	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0
65	7/18/2015 11:32	PAINT	3.11	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0
66	7/18/2015 11:32	PAINT	1.04	DOOR CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.02

Reading No	Time	Type	Duration	COMPONENT	SUBSTRATE	SIDE	COLOR	SITE	FLOOR	ROOM	Results	PbC
67	7/18/2015 11:33	PAINT	1.03	COLUMN	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.2
68	7/18/2015 11:33	PAINT	1.03	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.03
69	7/18/2015 11:34	PAINT	3.1	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01
70	7/18/2015 11:34	PAINT	1.04	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.05
71	7/18/2015 11:35	PAINT	1.03	DOOR	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0.03
72	7/18/2015 11:35	PAINT	0.62	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Null	0.01
73	7/18/2015 11:36	PAINT	1.04	COLUMN	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.25
74	7/18/2015 11:36	PAINT	1.04	DOOR	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01
75	7/18/2015 11:37	PAINT	3.12	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01
76	7/18/2015 11:37	PAINT	1.45	RAILING	METAL	A	YELLOW	3900 electronics dr	FIRST		Negative	0.7
77	7/18/2015 11:38	PAINT	1.04	RISER	METAL	A	GREY	3900 electronics dr	FIRST		Negative	0.02
78	7/18/2015 11:39	PAINT	1.04	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01
79	7/18/2015 11:39	PAINT	1.04	WINDOW CASING	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0
80	7/18/2015 11:40	PAINT	1.04	COLUMN	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.22
81	7/18/2015 11:40	PAINT	3.1	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0.18
82	7/18/2015 11:41	PAINT	1.03	DOOR	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.1
83	7/18/2015 11:42	PAINT	1.04	DOOR CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.18
84	7/18/2015 11:42	PAINT	3.72	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	-0.13
85	7/18/2015 11:42	PAINT	1.04	COLUMN	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.14
86	7/18/2015 11:43	PAINT	0.62	large sliding door	METAL	A	BEIGE	3900 electronics dr	FIRST		Positive	5.8
87	7/18/2015 11:44	PAINT	1.24	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	FIRST		Positive	4.2
88	7/18/2015 11:44	PAINT	1.03	DOOR CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
89	7/18/2015 11:45	PAINT	3.3	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0.05
90	7/18/2015 11:45	PAINT	3.1	DOOR	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
91	7/18/2015 11:46	PAINT	3.1	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0
92	7/18/2015 11:47	PAINT	4.14	COLUMN	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	-0.09
93	7/18/2015 11:47	PAINT	1.04	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.06
94	7/18/2015 11:47	PAINT	1.04	DOOR	METAL	A	GREY	3900 electronics dr	FIRST		Negative	0
95	7/18/2015 11:48	PAINT	1.03	COLUMN	METAL	A	GREY	3900 electronics dr	FIRST		Negative	0.12
96	7/18/2015 11:48	PAINT	3.11	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01
97	7/18/2015 11:50	PAINT	1.03	DOOR	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01
98	7/18/2015 11:50	PAINT	1.03	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.03
99	7/18/2015 11:51	PAINT	1.03	WALL	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01

Reading No	Time	Type	Duration	COMPONENT	SUBSTRATE	SIDE	COLOR	SITE	FLOOR	ROOM	Results	PbC
100	7/18/2015 11:51	PAINT	1.25	ladder	METAL	A	BEIGE	3900 electronics dr	FIRST		Positive	1.8
101	7/18/2015 11:52	PAINT	1.04	WALL	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0
102	7/18/2015 11:53	PAINT	3.29	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0.16
103	7/18/2015 11:54	PAINT	1.03	COLUMN	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.29
104	7/18/2015 11:54	PAINT	1.04	WINDOW CASING	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01
105	7/18/2015 11:55	PAINT	1.04	COLUMN	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.23
106	7/18/2015 11:56	PAINT	1.04	DOOR CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
107	7/18/2015 11:56	PAINT	1.03	BASEBOARD	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0
108	7/18/2015 11:57	PAINT	1.03	DOOR	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
109	7/18/2015 11:57	PAINT	1.04	WALL	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0
110	7/18/2015 11:58	PAINT	1.44	WALL	DRYWALL	A	BEIGE	3900 electronics dr	FIRST		Null	0
111	7/18/2015 11:58	PAINT	1.04	WALL	DRYWALL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
112	7/18/2015 11:58	PAINT	1.03	DOOR JAMB	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0
113	7/18/2015 11:59	PAINT	1.03	WALL	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0
114	7/18/2015 11:59	PAINT	1.04	DOOR	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
115	7/18/2015 12:00	PAINT	3.3	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0.02
116	7/18/2015 12:00	PAINT	1.04	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.08
117	7/18/2015 12:01	PAINT	1.03	COLUMN	METAL	A	RED	3900 electronics dr	FIRST		Negative	0.08
118	7/18/2015 12:01	PAINT	1.03	COLUMN	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.04
119	7/18/2015 12:02	PAINT	1.03	COLUMN	METAL	A	RED	3900 electronics dr	FIRST		Negative	0.22
120	7/18/2015 12:02	PAINT	1.03	COLUMN	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.05
121	7/18/2015 12:02	PAINT	2.29	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0
122	7/18/2015 12:03	PAINT	1.03	WALL	DRYWALL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
123	7/18/2015 12:03	PAINT	1.44	DOOR	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0
124	7/18/2015 12:04	PAINT	3.11	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0
125	7/18/2015 12:05	PAINT	3.09	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	FIRST		Positive	2.8
126	7/18/2015 12:05	PAINT	1.04	DOOR	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
127	7/18/2015 12:06	PAINT	2.07	DOOR CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Positive	2.2
128	7/18/2015 12:07	PAINT	3.11	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01
129	7/18/2015 12:07	PAINT	1.03	DOOR CASING	METAL	A	GREY	3900 electronics dr	FIRST		Negative	0
130	7/18/2015 12:08	PAINT	1.04	STRINGER	METAL	A	GREY	3900 electronics dr	FIRST		Negative	0
131	7/18/2015 12:08	PAINT	1.04	ladder	METAL	A	YELLOW	3900 electronics dr	FIRST		Negative	0
132	7/18/2015 12:08	PAINT	1.04	ladder	METAL	A	YELLOW	3900 electronics dr	FIRST		Negative	0

Reading No	Time	Type	Duration	COMPONENT	SUBSTRATE	SIDE	COLOR	SITE	FLOOR	ROOM	Results	PbC
133	7/18/2015 12:09	PAINT	1.04	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.07
134	7/18/2015 12:09	PAINT	2.06	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0
135	7/18/2015 12:10	PAINT	1.03	DOOR JAMB	METAL	A	GREY	3900 electronics dr	FIRST		Negative	0
136	7/18/2015 12:10	PAINT	1.04	DOOR CASING	METAL	A	GREY	3900 electronics dr	FIRST		Negative	0
137	7/18/2015 12:11	PAINT	1.04	large door	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
138	7/18/2015 12:12	PAINT	1.04	DOOR	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
139	7/18/2015 12:12	PAINT	1.04	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01
140	7/18/2015 12:12	PAINT	1.04	pipe	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
141	7/18/2015 12:13	PAINT	3.09	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0
142	7/18/2015 12:14	PAINT	1.04	pole	METAL	A	YELLOW	3900 electronics dr	FIRST		Negative	0
143	7/18/2015 12:14	PAINT	1.04	DOOR CASING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
144	7/18/2015 12:14	PAINT	1.03	DOOR	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
145	7/18/2015 12:15	PAINT	1.03	large door	METAL	A	GREY	3900 electronics dr	FIRST		Negative	0
146	7/18/2015 12:16	PAINT	1.03	COLUMN	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.04
147	7/18/2015 12:16	PAINT	1.04	COLUMN	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
148	7/18/2015 12:16	PAINT	1.04	beam	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.02
149	7/18/2015 12:17	PAINT	1.03	STRINGER	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
150	7/18/2015 12:17	PAINT	0.63	RAILING	METAL	A	BEIGE	3900 electronics dr	FIRST		Null	0
151	7/18/2015 12:17	PAINT	1.03	RAILING	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
152	7/18/2015 12:18	PAINT	3.1	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0.01
153	7/18/2015 12:18	PAINT	1.04	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
154	7/18/2015 12:18	PAINT	1.03	DOOR	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.12
155	7/18/2015 12:19	PAINT	1.04	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
156	7/18/2015 12:20	PAINT	0.41	large sliding door	METAL	A	GREY	3900 electronics dr	FIRST		Positive	5.1
157	7/18/2015 12:21	PAINT	0.62	DOOR JAMB	METAL	A	GREY	3900 electronics dr	FIRST		Positive	3.7
158	7/18/2015 12:21	PAINT	0.41	large sliding door	METAL	A	GREY	3900 electronics dr	FIRST		Positive	6
159	7/18/2015 12:21	PAINT	1.03	DOOR JAMB	METAL	A	GREY	3900 electronics dr	FIRST		Positive	2.4
160	7/18/2015 12:22	PAINT	1.04	roll up door	METAL	A	GREY	3900 electronics dr	FIRST		Negative	0.01
161	7/18/2015 12:22	PAINT	1.04	COLUMN	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.26
162	7/18/2015 12:23	PAINT	1.04	DOOR	METAL	A	GREY	3900 electronics dr	FIRST		Negative	0.01
163	7/18/2015 12:24	PAINT	2.27	WALL	DRYWALL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
164	7/18/2015 12:24	PAINT	3.31	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0.11
165	7/18/2015 12:25	PAINT	1.04	DOOR	METAL	A	GREY	3900 electronics dr	FIRST		Negative	0

Reading No	Time	Type	Duration	COMPONENT	SUBSTRATE	SIDE	COLOR	SITE	FLOOR	ROOM	Results	PbC
166	7/18/2015 12:25	PAINT	1.03	DOOR CASING	METAL	A	GREY	3900 electronics dr	FIRST		Negative	0.07
167	7/18/2015 12:26	PAINT	1.86	STRINGER	METAL	A	GREY	3900 electronics dr	FIRST		Negative	0.7
168	7/18/2015 12:26	PAINT	5.18	COLUMN	METAL	A	GREY	3900 electronics dr	FIRST		Positive	1.2
169	7/18/2015 12:27	PAINT	1.03	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.2
170	7/18/2015 12:28	PAINT	1.04	WINDOW CASING	WOOD	A	BEIGE	3900 electronics dr	FIRST		Negative	0
171	7/18/2015 12:28	PAINT	1.04	COLUMN	METAL	A	BLUE	3900 electronics dr	FIRST		Negative	0.23
172	7/18/2015 12:29	PAINT	1.04	beam	METAL	A	BLUE	3900 electronics dr	FIRST		Negative	0.23
173	7/18/2015 12:29	PAINT	1.04	RAILING	METAL	A	BLUE	3900 electronics dr	FIRST		Negative	0.1
174	7/18/2015 12:29	PAINT	1.03	COLUMN	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0.08
175	7/18/2015 12:30	PAINT	7.25	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	FIRST		Negative	0.03
176	7/18/2015 12:31	PAINT	1.04	duct	METAL	A	BEIGE	3900 electronics dr	FIRST		Negative	0
177	7/18/2015 13:06	PAINT	7.23			CALIBRATE					Negative	0.9
178	7/18/2015 13:06	PAINT	6.82			CALIBRATE					Positive	1.1
179	7/18/2015 13:07	PAINT	11.57			CALIBRATE					Positive	1.1
180	7/18/2015 13:14	PAINT	1.04	DOOR	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.02
181	7/18/2015 13:14	PAINT	1.04	DOOR CASING	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
182	7/18/2015 13:14	PAINT	1.03	RAILING	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
183	7/18/2015 13:15	PAINT	1.03	RAILING	METAL	A	YELLOW	3900 electronics dr	BASEMENT		Negative	0.01
184	7/18/2015 13:15	PAINT	3.11	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
185	7/18/2015 13:16	PAINT	1.03	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.01
186	7/18/2015 13:16	PAINT	1.03	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
187	7/18/2015 13:17	PAINT	2.26	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
188	7/18/2015 13:17	PAINT	1.03	DOOR	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
189	7/18/2015 13:18	PAINT	1.04	beam	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.12
190	7/18/2015 13:19	PAINT	1.03	DOOR	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.01
191	7/18/2015 13:19	PAINT	2.28	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
192	7/18/2015 13:19	PAINT	1.04	duct	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.09
193	7/18/2015 13:20	PAINT	1.04	DOOR JAMB	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.02
194	7/18/2015 13:21	PAINT	3.1	COLUMN	METAL	A	GREY	3900 electronics dr	BASEMENT		Positive	1.3
195	7/18/2015 13:21	PAINT	1.25	COLUMN	METAL	A	GREY	3900 electronics dr	BASEMENT		Positive	1.6
196	7/18/2015 13:22	PAINT	3.3	FLOOR	CONCRETE	A	GREY	3900 electronics dr	BASEMENT		Negative	0.01
197	7/18/2015 13:22	PAINT	3.09	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
198	7/18/2015 13:23	PAINT	3.11	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0

Reading No	Time	Type	Duration	COMPONENT	SUBSTRATE	SIDE	COLOR	SITE	FLOOR	ROOM	Results	PbC
199	7/18/2015 13:23	PAINT	0.41	DOOR	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Null	0.01
200	7/18/2015 13:23	PAINT	1.03	DOOR	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.01
201	7/18/2015 13:24	PAINT	1.03	DOOR CASING	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.01
202	7/18/2015 13:24	PAINT	3.11	STRINGER	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	-0.2
203	7/18/2015 13:25	PAINT	1.04	WALL	WOOD	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
204	7/18/2015 13:26	PAINT	3.11	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
205	7/18/2015 13:26	PAINT	1.04	COLUMN	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.15
206	7/18/2015 13:27	PAINT	1.04	COLUMN	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.09
207	7/18/2015 13:27	PAINT	3.32	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.05
208	7/18/2015 13:27	PAINT	1.04	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.11
209	7/18/2015 13:28	PAINT	1.04	DOOR CASING	WOOD	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
210	7/18/2015 13:28	PAINT	1.04	DOOR	WOOD	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
211	7/18/2015 13:28	PAINT	1.03	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.02
212	7/18/2015 13:29	PAINT	1.03	DOOR	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.02
213	7/18/2015 13:30	PAINT	1.03	WALL	WOOD	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.02
214	7/18/2015 13:30	PAINT	1.04	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.01
215	7/18/2015 13:31	PAINT	1.03	DOOR	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
216	7/18/2015 13:31	PAINT	3.1	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
217	7/18/2015 13:32	PAINT	0.21	large sliding door	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Positive	5.2
218	7/18/2015 13:32	PAINT	0.62	DOOR JAMB	METAL	A	GREY	3900 electronics dr	BASEMENT		Positive	2.5
219	7/18/2015 13:34	PAINT	1.03	DOOR	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.01
220	7/18/2015 13:35	PAINT	0.41	DOOR	METAL	A	GREY	3900 electronics dr	BASEMENT		Positive	5.6
221	7/18/2015 13:36	PAINT	1.04	COLUMN	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.09
222	7/18/2015 13:37	PAINT	1.04	pipe	METAL	A	BLUE	3900 electronics dr	BASEMENT		Negative	0
223	7/18/2015 13:37	PAINT	1.05	roll up door	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0
224	7/18/2015 13:38	PAINT	1.03	DOOR	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.04
225	7/18/2015 13:39	PAINT	1.04	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.01
226	7/18/2015 13:39	PAINT	2.9	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.01
227	7/18/2015 13:40	PAINT	1.03	COLUMN	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.3
228	7/18/2015 13:42	PAINT	0.41	large sliding door	METAL	A	GREY	3900 electronics dr	BASEMENT		Positive	4.9
229	7/18/2015 13:42	PAINT	0.62	DOOR CASING	METAL	A	GREY	3900 electronics dr	BASEMENT		Positive	3
230	7/18/2015 13:43	PAINT	1.03	boiler	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.05
231	7/18/2015 13:44	PAINT	1.04	boiler	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.07

Reading No	Time	Type	Duration	COMPONENT	SUBSTRATE	SIDE	COLOR	SITE	FLOOR	ROOM	Results	PbC
232	7/18/2015 13:44	PAINT	1.03	COLUMN	METAL	A	RED	3900 electronics dr	BASEMENT		Negative	0.22
233	7/18/2015 13:44	PAINT	1.04	tank	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0
234	7/18/2015 13:45	PAINT	3.1	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.08
235	7/18/2015 13:46	PAINT	1.04	COLUMN	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.17
236	7/18/2015 13:46	PAINT	1.04	WINDOW CASING	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.23
237	7/18/2015 13:46	PAINT	1.03	DOOR	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.06
238	7/18/2015 13:47	PAINT	1.03	DOOR CASING	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.07
239	7/18/2015 13:47	PAINT	1.03	tank	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.08
240	7/18/2015 13:48	PAINT	0.41	pipe	METAL	A	ORANGE	3900 electronics dr	BASEMENT		Positive	2.9
241	7/18/2015 13:49	PAINT	1.04	tank	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.01
242	7/18/2015 13:50	PAINT	1.04	DOOR CASING	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
243	7/18/2015 13:51	PAINT	1.03	DOOR	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.02
244	7/18/2015 13:51	PAINT	1.03	COLUMN	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.07
245	7/18/2015 13:52	PAINT	5.17	STRINGER	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.06
246	7/18/2015 13:53	PAINT	0.82	DOOR	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.04
247	7/18/2015 13:53	PAINT	1.04	RAILING	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0
248	7/18/2015 13:54	PAINT	1.03	COLUMN	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0
249	7/18/2015 13:54	PAINT	1.04	hopper	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
250	7/18/2015 13:55	PAINT	3.09	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
251	7/18/2015 13:55	PAINT	3.1	WALL	CINDERBLOCK	A	ORANGE	3900 electronics dr	BASEMENT		Negative	0
252	7/18/2015 13:56	PAINT	1.65	ladder	METAL	A	GREY	3900 electronics dr	BASEMENT		Negative	0.02
253	7/18/2015 13:56	PAINT	1.04	COLUMN	METAL	A	RED	3900 electronics dr	BASEMENT		Negative	0.17
254	7/18/2015 13:58	PAINT	1.04	COLUMN	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.1
255	7/18/2015 13:58	PAINT	1.24	DOOR	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.06
256	7/18/2015 14:00	PAINT	1.04	COLUMN	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.1
257	7/18/2015 14:01	PAINT	1.04	pipe	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
258	7/18/2015 14:01	PAINT	0.42	RAILING	METAL	A	YELLOW	3900 electronics dr	BASEMENT		Positive	3
259	7/18/2015 14:03	PAINT	1.03	pole	METAL	A	YELLOW	3900 electronics dr	BASEMENT		Negative	0
260	7/18/2015 14:03	PAINT	1.03	DOOR	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
261	7/18/2015 14:04	PAINT	0.83	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Null	0
262	7/18/2015 14:04	PAINT	1.03	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
263	7/18/2015 14:04	PAINT	3.11	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
264	7/18/2015 14:05	PAINT	1.03	WINDOW CASING	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0

Reading No	Time	Type	Duration	COMPONENT	SUBSTRATE	SIDE	COLOR	SITE	FLOOR	ROOM	Results	PbC
265	7/18/2015 14:05	PAINT	1.03	DOOR JAMB	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0.06
266	7/18/2015 14:06	PAINT	1.04	DOOR	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
267	7/18/2015 14:06	PAINT	3.1	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
268	7/18/2015 14:07	PAINT	1.04	DOOR CASING	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
269	7/18/2015 14:09	PAINT	1.04	DOOR	METAL	A	BEIGE	3900 electronics dr	BASEMENT		Negative	0
270	7/18/2015 14:10	PAINT	1.25	RAILING	METAL	A	YELLOW	3900 electronics dr	BASEMENT		Positive	1.5
271	7/19/2015 10:30	SHUTTER_CAL	122.61									2.46
272	7/19/2015 11:01	PAINT	7.24			CALIBRATE					Positive	1.1
273	7/19/2015 11:02	PAINT	8.67			CALIBRATE					Positive	1.1
274	7/19/2015 11:02	PAINT	7.24			CALIBRATE					Positive	1.1
275	7/19/2015 11:06	PAINT	1.03	DOOR	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.07
276	7/19/2015 11:07	PAINT	3.29	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr		OUTSIDE	Negative	-0.33
277	7/19/2015 11:08	PAINT	1.03	WINDOW CASING	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.04
278	7/19/2015 11:08	PAINT	0.62	WINDOW PANEL	METAL	A	RED	3900 electronics dr		OUTSIDE	Positive	2.6
279	7/19/2015 11:08	PAINT	1.03	COLUMN	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0
280	7/19/2015 11:09	PAINT	1.03	COLUMN	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0
281	7/19/2015 11:10	PAINT	4.31	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr		OUTSIDE	Negative	0
282	7/19/2015 11:11	PAINT	0.83	WINDOW PANEL	METAL	A	RED	3900 electronics dr		OUTSIDE	Positive	2.6
283	7/19/2015 11:11	PAINT	1.04	WINDOW CASING	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.12
284	7/19/2015 11:12	PAINT	1.04	COLUMN	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.13
285	7/19/2015 11:12	PAINT	1.03	DOOR	METAL	A	BEIGE	3900 electronics dr		OUTSIDE	Negative	0.01
286	7/19/2015 11:12	PAINT	0.21	DOOR	METAL	A	GREY	3900 electronics dr		OUTSIDE	Null	0.05
287	7/19/2015 11:13	PAINT	1.04	DOOR	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.02
288	7/19/2015 11:13	PAINT	3.51	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr		OUTSIDE	Negative	0
289	7/19/2015 11:14	PAINT	0.83	WINDOW PANEL	METAL	A	RED	3900 electronics dr		OUTSIDE	Positive	2.2
290	7/19/2015 11:14	PAINT	1.04	COLUMN	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.3
291	7/19/2015 11:15	PAINT	1.04	WINDOW CASING	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.1
292	7/19/2015 11:15	PAINT	1.03	DOOR	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.08
293	7/19/2015 11:16	PAINT	1.24	WINDOW PANEL	METAL	A	RED	3900 electronics dr		OUTSIDE	Positive	2.1
294	7/19/2015 11:17	PAINT	1.04	COLUMN	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.07
295	7/19/2015 11:17	PAINT	1.03	WINDOW CASING	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.06
296	7/19/2015 11:18	PAINT	1.03	COLUMN	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.2
297	7/19/2015 11:19	PAINT	9.49	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr		OUTSIDE	Negative	0.4

Reading No	Time	Type	Duration	COMPONENT	SUBSTRATE	SIDE	COLOR	SITE	FLOOR	ROOM	Results	PbC
298	7/19/2015 11:20	PAINT	0.83	WINDOW PANEL	METAL	A	RED	3900 electronics dr		OUTSIDE	Positive	2.9
299	7/19/2015 11:21	PAINT	1.03	COLUMN	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.07
300	7/19/2015 11:21	PAINT	1.03	WINDOW CASING	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.05
301	7/19/2015 11:22	PAINT	0.83	WINDOW PANEL	METAL	A	RED	3900 electronics dr		OUTSIDE	Positive	2.8
302	7/19/2015 11:23	PAINT	1.03	DOOR	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0
303	7/19/2015 11:23	PAINT	3.09	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr		OUTSIDE	Negative	0
304	7/19/2015 11:24	PAINT	1.03	WINDOW CASING	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.06
305	7/19/2015 11:25	PAINT	1.03	COLUMN	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.17
306	7/19/2015 11:26	PAINT	1.03	DOOR	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.04
307	7/19/2015 11:26	PAINT	0.83	WINDOW PANEL	METAL	A	RED	3900 electronics dr		OUTSIDE	Positive	2.5
308	7/19/2015 11:27	PAINT	1.03	DOOR	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0
309	7/19/2015 11:28	PAINT	9.3	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr		OUTSIDE	Negative	0.4
310	7/19/2015 11:34	PAINT	1.03	DOOR	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0
311	7/19/2015 11:35	PAINT	1.03	DOOR	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.03
312	7/19/2015 11:35	PAINT	1.03	COLUMN	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.19
313	7/19/2015 11:36	PAINT	1.24	WINDOW PANEL	METAL	A	RED	3900 electronics dr		OUTSIDE	Positive	1.9
314	7/19/2015 11:37	PAINT	1.03	COLUMN	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0
315	7/19/2015 11:38	PAINT	1.03	DOOR	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.11
316	7/19/2015 11:39	PAINT	1.03	RAILING	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.06
317	7/19/2015 11:40	PAINT	20	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr		OUTSIDE	Negative	0.8
318	7/19/2015 11:41	PAINT	1.03	DOOR	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0
319	7/19/2015 11:43	PAINT	1.03	RAILING	METAL	A	YELLOW	3900 electronics dr		OUTSIDE	Negative	0
320	7/19/2015 11:44	PAINT	1.03	COLUMN	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.04
321	7/19/2015 11:44	PAINT	1.03	DOOR	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0
322	7/19/2015 11:45	PAINT	1.03	WINDOW CASING	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0
323	7/19/2015 11:45	PAINT	1.45	WINDOW PANEL	METAL	A	RED	3900 electronics dr		OUTSIDE	Positive	1.5
324	7/19/2015 11:46	PAINT	1.03	DOOR CASING	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.07
325	7/19/2015 11:47	PAINT	1.04	pipe	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0
326	7/19/2015 11:48	PAINT	17.59	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr		OUTSIDE	Null	1
327	7/19/2015 11:49	PAINT	20	WALL	CINDERBLOCK	A	BEIGE	3900 electronics dr		OUTSIDE	Negative	0.8
328	7/19/2015 11:52	PAINT	1.04	COLUMN	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.05
329	7/19/2015 11:53	PAINT	1.04	DOOR	METAL	A	GREY	3900 electronics dr		OUTSIDE	Negative	0.04
330	7/19/2015 11:53	PAINT	1.03	WINDOW CASING	METAL	A	WHITE	3900 electronics dr		OUTSIDE	Negative	0.13

Reading No	Time	Type	Duration	COMPONENT	SUBSTRATE	SIDE	COLOR	SITE	FLOOR	ROOM	Results	PbC
331	7/19/2015 11:55	PAINT	7.02			CALIBRATE					Positive	1.1
332	7/19/2015 11:57	PAINT	20			CALIBRATE					Positive	1
333	7/19/2015 11:58	PAINT	20			CALIBRATE					Positive	1

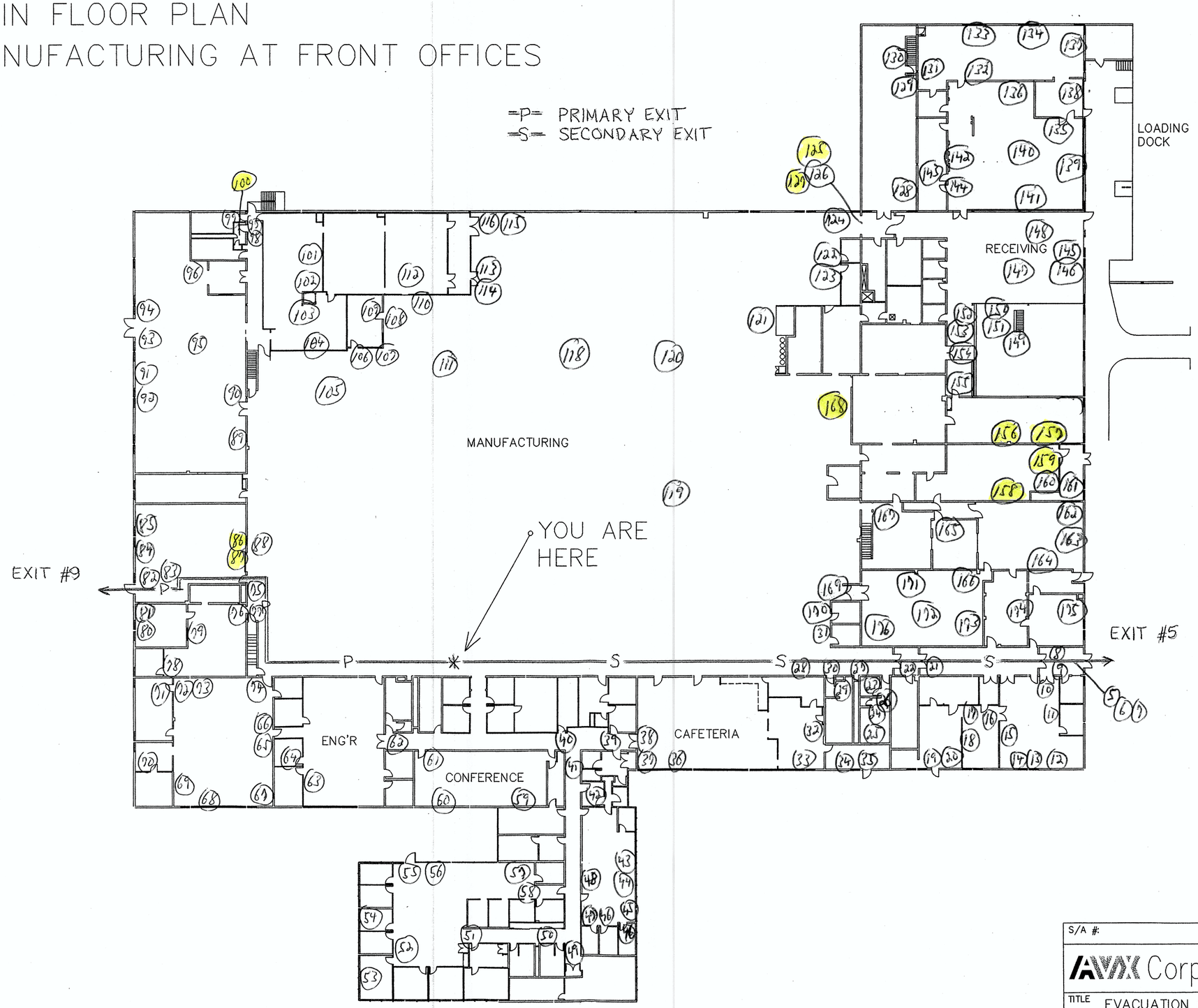
APPENDIX B

FLOOR PLAN AND SAMPLE LOCATION MAP

REV. LET.	REVISION	DATE	BY	APP.
A	UPDATE	2/1/01	CAL	
A	UPDATE	10/2010		

Lead-based Paint Sample Locations

MAIN FLOOR PLAN
MANUFACTURING AT FRONT OFFICES



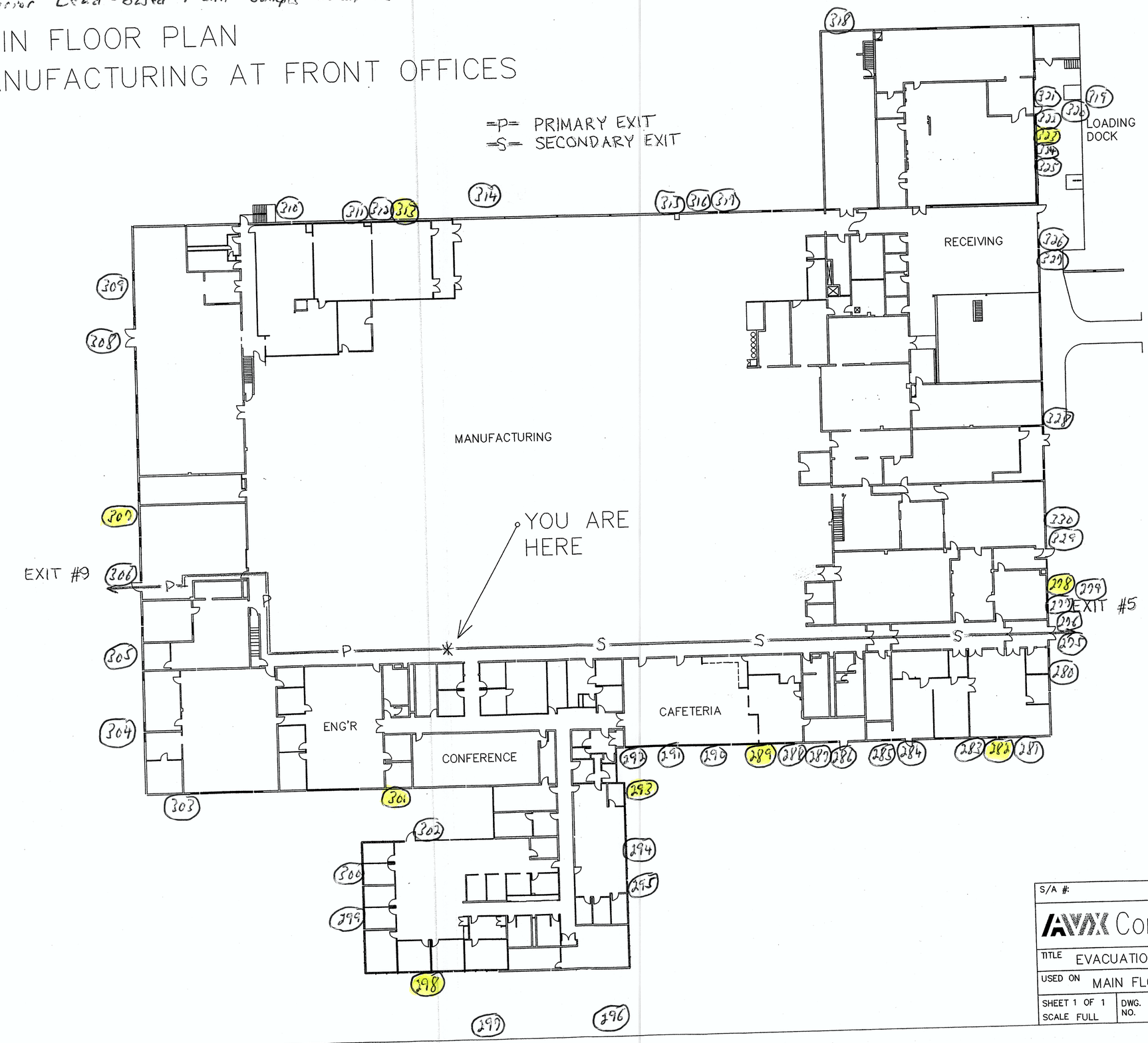
S/A #:	
AVX Corporation	LOCATION RAL
TITLE	EVACUATION PLAN
USED ON	MAIN FLOOR
SHEET 1 OF 1 SCALE FULL	DWG. NO. 11 — REV. A

E
MS
SU
FOR
MB
OL
COL
MD
RAL X

REV. LET.	REVISION	DATE	BY	APP.
A	UPDATE	2/1/01	CAL	
A	UPDATE	10/2010		

Exterior Lead-based Paint Sample Locations

MAIN FLOOR PLAN
MANUFACTURING AT FRONT OFFICES



S/A #:	
AVX Corporation	LOCATION RAL
TITLE	EVACUATION PLAN
USED ON	MAIN FLOOR
SHEET 1 OF 1 SCALE FULL	DWG. NO. 11 REV. A

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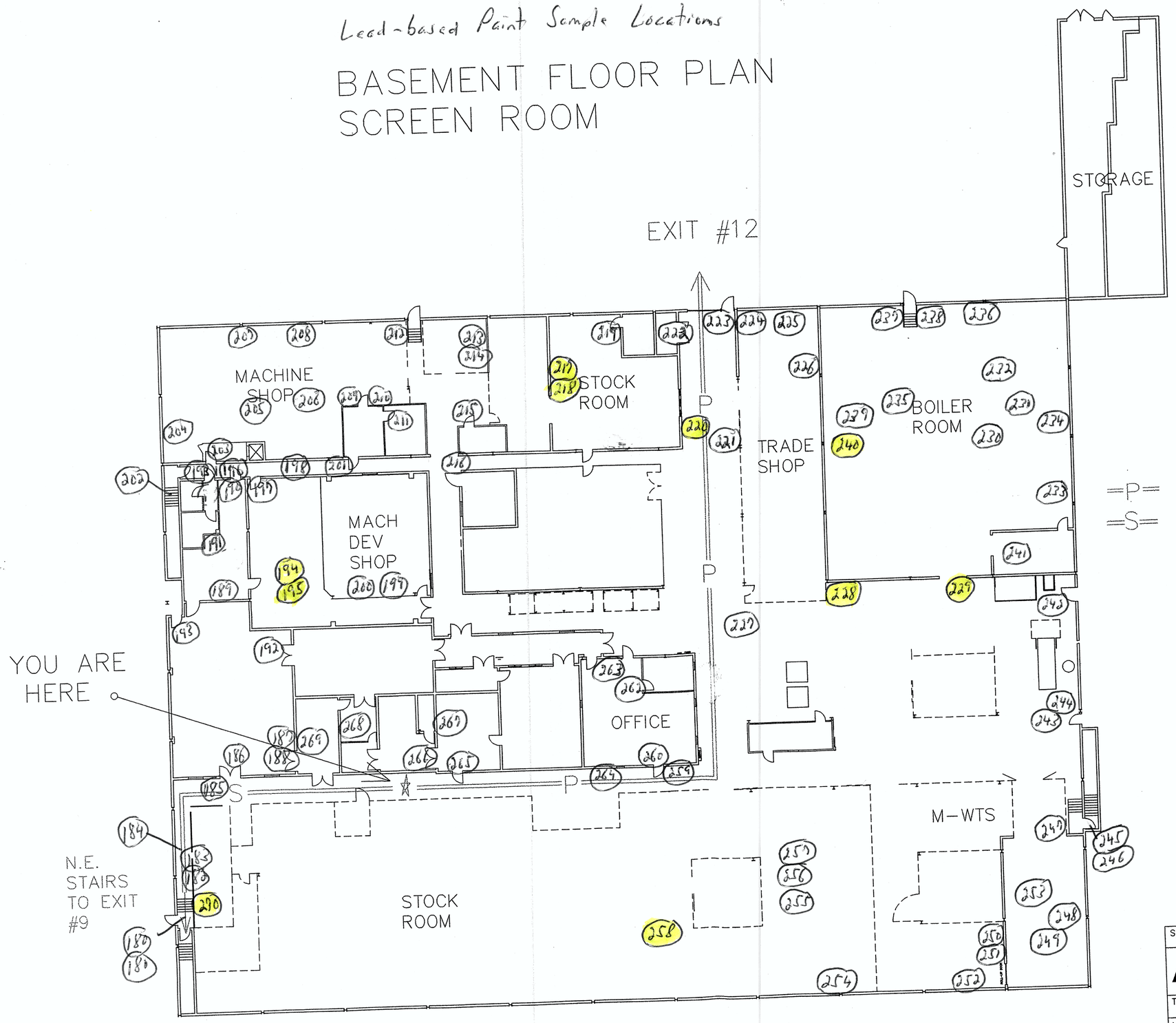
COL
MD
RAL X

REV. LET.	REVISION	DATE	BY	APP.
A	UPDATE	2/1/01	CAL	

Lead-based Paint Sample Locations

BASEMENT FLOOR PLAN
SCREEN ROOM



S/A #:

AVX Corporation

LOCATION RAL

TITLE EVACUATION PLAN

USED ON BASEMENT

SHEET 1 OF 1

SCALE FULL

DWG. NO. 2

REV A