

December 16, 2013

Mr. Jon Fields
Plamondon Hospitality Partners
4991 New Design Road, Suite 109
Frederick, MD 21703

RE: Additional Subsurface Investigation and Hazardous Materials Survey
Former Frederick News Post Property
200 & 214 East Patrick Street
Frederick, Maryland
CGS Proposal No. CG-P13-1637
CGS Project No. CG-13-0900

Dear Mr. Fields:

Chesapeake GeoSciences, Inc. (CGS) is pleased to submit the results of our Additional Subsurface Investigation and Hazardous Materials Survey at the former Frederick News Post property (Site).

1.0 INTRODUCTION

This investigation was conducted based upon the findings of CGS' Phase II Subsurface Investigation conducted at the Site in late 2007 and on the site visit we participated in on July 25, 2013. During the Phase II Subsurface Investigation, the Site housed an active newspaper publishing business. For this reason, no subsurface investigation was performed by CGS beneath the footprint of the active News Post building. CGS understood that no hazardous materials survey had ever been performed in the buildings at the Site. The purpose of the Additional Subsurface Investigation and Hazardous Materials Survey is to identify environmental conditions not previously investigated that could result in regulatory enforcement action and to identify and quantify hazardous materials in the site buildings. In addition, this investigation was conducted to provide information needed, to the extent possible, to estimate costs for the remediation of subsurface contamination and abatement of identified hazardous materials.

CGS understands that Plamondon Hospitality Partners (Client) intends to re-develop the Site into a full service hotel, and that site re-development will require demolition of some or all of the existing building structures. The new hotel may include one below ground level for parking or other uses.

This report presents the results of the field investigation, including field methods, observations, laboratory analytical results, conclusions, remedial cost estimates, and associated limitations.

1.1 Site History and Current Conditions

The property is located at 200 & 214 East Patrick Street, Frederick County, Frederick, Maryland 21701, and is situated on the southeastern corner of the intersection between Carroll Street and East Patrick Street (Figure 1). The property is bordered to the south by Carroll Creek and the Carroll Creek Flood Control project development. With the exception of a logo embroidery business that is leasing space in the News Post building, the property is currently vacant and inactive. The surrounding area is primarily commercial in use. The property is “L-shaped” and consists of two parcels containing approximately 1.3 acres of mostly developed land.

Two primary improvements exist on the property. The larger improvement, referred to as the News Post building, was used for newspaper publication. It consists of 2 stories with a divided basement on the oldest, northern side of the building with two 1-story warehouse type additions to the south. The 2-story section of the News Post was constructed prior to 1873 with its 1-story warehouse type additions built during 1887-1892, and in 1968. Prior to its use for newspaper publication, the building served as a station and storage shed for an electric railway. The second improvement is a 2-story building on the southeast portion of the property adjacent to the Carroll Creek development. This building, referred to as the tannery, was constructed in 1800 and served as a local tannery for over one hundred years. Numerous storage sheds and leaching pits associated with tannery operations were constructed and demolished on-site during its years of operation. Since then, the tannery building was used as a poultry packing facility, and it is currently vacant. This building was never used for newspaper publication.

1.2 Topography, Geology, and Hydrology

The property is divided into an upper level area (the News Post building) and a lower level area (the tannery building), which is separated by a retaining wall spanning the length of the property in a north-south direction. The overall topography of the property is relatively flat, having a gentle slope toward the south-southwest until the wall of the Carroll Creek flood control structure is encountered. Shallow groundwater flow generally follows topography; thus, CGS estimates that shallow groundwater also flows to the south-southwest.

The property has a mean elevation of approximately 285 feet above mean sea level (msl). It is located in the Lowland Section of the Piedmont Plateau physiographic province. The relatively flat Frederick Valley area is underlain with Cambrian and Ordovician limestone and dolomite. In reviewing the *Geologic Map of Maryland* (Maryland Geological Survey, 1968), the property appears to be underlain by the Upper Cambrian Frederick Limestone, which generally consists of blue, slabby, thin-bedded limestone and minor shale.

1.3 Previous Findings of the Phase II Subsurface Investigation

CGS' Phase II Subsurface Investigation is documented in its January 9, 2008 report. Soil and groundwater samples collected during the Phase II investigation did not exhibit contaminant concentrations which exceed the Maryland Department of the Environment (MDE) soil and groundwater clean-up standards, with the exception of one sample with an elevated total petroleum hydrocarbon, diesel range organics (TPH DRO) concentration. This soil sample was collected from a boring (B-1a) that was advanced in the vicinity of where the two 3,000-gallon heating oil underground storage tanks (USTs) had been removed from the Site in 1989 (Figure 2). The TPH DRO concentration [235 milligrams per kilogram (mg/kg)] exceeded the MDE residential soil clean-up standard (230 mg/kg); however, because the property had a non-residential use, CGS concluded that no further investigation or remediation was necessary at that time. The MDE non-residential soil clean-up standard is 620 mg/kg.

A 1971 fire insurance map indicated that a gasoline tank was located on the south side of the former tannery building, and during CGS' investigation, two pipes were found near where the gasoline tank was shown on the fire insurance map. It was unclear whether these pipes were associated with the gasoline tank, or if they belonged to a separate UST or were for another use. CGS recommended excavating two areas on the south side of the tannery building; the first around the piping to determine if an associated UST existed, and the second at the estimated location of the gasoline tank to determine if it was present. During our July 25, 2013 site visit, the two pipes were no longer visible and it appeared that the ground had been disturbed in this area. CGS tried to contact Mr. Ted Gregory, a representative of the owner of the property, to confirm whether the two areas had been excavated as we had recommended. Mr. Gregory returned our call after CGS had already submitted the proposal (CGS Proposal No. CG-P13-1637) for this investigation to the Client for approval. He indicated that test pits had been excavated in 2008 and no gasoline tank was found. For this reason, CGS did not excavate the test pits as was originally proposed.

1.4 Scope of Investigation

The following is a summary of the scope of the Additional Subsurface Investigation and Hazardous Materials Survey performed at the Site:

- CGS understands that the Client's future development plans for the Site may include excavation and construction in the area where the heating oil USTs were located and the TPH DRO contamination was found in soil. If this soil is excavated, it cannot be reused as clean fill, and this soil must be disposed at a permitted disposal facility at additional cost. For this reason, CGS advanced three additional soil borings in this area to better delineate the quantity of contaminated soil that may need to be disposed.
- CGS advanced three borings in the printing press room of the News Post building to assess whether spills of Naphtha petroleum distillates that were used in the printing operation or other solvents that may have been used have penetrated through cracks and joints in the concrete floor and impacted underlying soil and groundwater.

- A Hazardous Materials Survey was performed inside both of the site buildings to identify asbestos containing building materials (ACBM), lead base paints (LBP), Universal Wastes, and other potentially hazardous materials.

The following sections describe the methodology and observations for the Additional Subsurface Investigation (Section 2.0) and the Hazardous Materials Survey (Section 3.0).

2.0 ADDITIONAL SUBSURFACE INVESTIGATION

The field investigation was conducted on November 8 and 11, 2013, and included the collection of soil samples and groundwater samples from the property. Three soil borings (SB-01, SB-02, and SB-03) were advanced surrounding the previous soil boring B-1a to delineate the extent of subsurface contamination near the former location of the heating oil USTs (Figure 2). SB-01 and SB-03 were advanced in the elevated parking area adjacent to the east side of the News Post building. SB-02 was advanced near the foot of the retaining wall in the right-of-way to the tannery building (214 East Patrick Street). Three borings (SB-04, SB-05, and SB-06) were advanced inside the printing press room of the News Post building. SB-04 and SB-06 were advanced along the eastern wall of the press room; SB-04 near a wash sink and SB-06 near where drums of Naptha were stored and a circulation vat and chemical feed pump system for Naptha blanket wash was located. SB-05 was advanced on the opposite side of the printing presses half-way along the length of the press room.

2.1 Clearance of Underground Utilities

Utility clearances were performed prior to advancing the soil borings to ensure that subsurface utilities were not damaged during boring advancement activities. Miss Utility marked out the locations of subsurface public utilities (Ticket No. 13642727). On November 8, Underground Protection, Inc. (UPI), a professional utility locating firm, verified Miss Utility's findings and checked all potential soil boring location areas for un-marked, private utilities. UPI marked the utilities that it identified with spray paint.

2.2 Concrete Coring

On November 8, four-inch diameter holes were cored through the concrete floor of the press room through which to advance the soil borings (SB-04, SB-05, and SB-06). Two core holes were drilled at each of the three boring locations to provide access for a second attempt to reach the target depth of the static groundwater level in case underground obstructions were encountered. Core holes were drilled on either side of the concrete pad that ran the length of the room where the printing press machines were set. This pad was avoided because it was assumed to be much thicker than the surrounding floor. The floor was 5 ½ inches thick where the core holes were drilled. A crushed-stone gravel layer was present beneath the floor at these locations. No evidence of contamination, such as petroleum/solvent staining or odors, was observed in this gravel layer.

2.3 Sampling Methodology and Field Observations

Soil borings were advanced utilizing a track-mounted Geoprobe® rig with Macrocore sampling system. Soil borings were advanced to a maximum depth of 28 feet below ground surface (bgs) with the Geoprobe®. Limestone bedrock was encountered at 18 feet bgs in SB-06 and 19 feet bgs in SB-01. The depth to groundwater ranged from 15.5 to 18 feet bgs.

At boring locations SB-01 and SB-03, refusal occurred when concrete was encountered immediately beneath the asphalt parking surface. These borings were moved a few feet to the locations shown in Figure 2 and successfully advanced.

Soil observations were logged in accordance with the Unified Soil Classification System. Samples logged during advancement of the borings were generally a mixture of silt and clay having minor coarse sand to fine gravel and rock fragments near the bottom of the borings. Soils ranged in color from yellow-brown to grey. Black, burned fill material was encountered in the shallow portion of all the borings with the exception of SB-02. Soil observations are included in the Soil Boring Logs (Attachment A).

Soil samples were continuously collected using the Macrocore sampler and screened for volatile organic compounds (VOCs) using a hand held photoionization detector (PID). No PID readings above background levels were measured in any of the soil core except for that collected from SB-06 at 18 feet bgs (directly above bedrock) where a PID reading of 303 parts per million (ppm) was measured. Based on this PID reading, a soil sample was collected from SB-06 at that depth for laboratory analysis. One soil sample was also collected for laboratory analysis from each of the other five borings. Soil samples from SB-01, SB-02, SB-03, and SB-05 were collected near the groundwater interface. The soil sample from SB-04 was collected from 9 feet bgs to provide a shallower sample at a depth that may be excavated for construction of the new hotel. Other than a petroleum odor observed at the bottom of SB-06, no petroleum soil staining or petroleum/solvent odors were observed during sampling. All soil samples collected for laboratory analyses were containerized in 4-ounce glass jars and preserved on ice for transport to the laboratory.

Temporary one-inch PVC wells with 0.20-inch slotted well screen were installed in borings SB-03 and SB-05 for groundwater sampling. A peristaltic pump was used for the collection of grab groundwater samples from these two temporary wells. The groundwater samples were contained in one-liter amber bottles and 40 mL volatile organic analyte (VOA) containers preserved with hydrochloric acid. The samples were also preserved on ice for transport to the laboratory.

After the groundwater samples were collected, the one-inch PVC wells were removed. All of the borings were abandoned using a bentonite grout. The concrete core holes in the press room were sealed with cement flush with the floor. Holes in the outside pavement were sealed with a coal tar patch.

2.4 Analytical Results

Samples were submitted on November 12, 2013 to Maryland Spectral Services, Inc. in Baltimore, MD for laboratory analyses. The chain of custody documentation and laboratory analytical reports are presented in Attachment B.

2.4.1 Soil Analysis

Soil samples were submitted to the laboratory for analysis of VOCs, including petroleum constituents, by U.S. Environmental Protection Agency (USEPA) Method 8260. Soil samples collected from the outside borings (SB-01, SB-02, and SB-03) were also analyzed for TPH DRO by USEPA Method 8015M. No TPH DRO was detected in the soil samples above the laboratory reporting limits. The only VOC detected was 4-Isopropyltoluene in the soil sample collected from SB-06. No other VOCs were detected above the laboratory reporting limits in any of the soil samples analyzed. The detected 4-Isopropyltoluene concentration in sample SB-06 (18') was 1,260 micrograms per kilogram ($\mu\text{g}/\text{kg}$) or parts per billion (ppb). No MDE soil standard or USEPA Regional Screening Level (RSL) exists for 4-Isopropyltoluene.

During the prior Phase II Subsurface Investigation, VOCs were detected in the soil sample collected from the 12-16 feet bgs interval at boring B-1a. The detected VOCs included acetone (59 $\mu\text{g}/\text{kg}$), sec-butylbenzene (33 $\mu\text{g}/\text{kg}$), and toluene (11 $\mu\text{g}/\text{kg}$). These VOCs were screened against the MDE non-residential and residential soil standards, and were determined not to exceed levels that would require corrective action. An elevated TPH DRO level was detected in the sample collected from B-1a at 235 mg/kg. This concentration does not exceed the MDE non-residential soil cleanup standard (620 mg/kg); however, the TPH DRO concentration did marginally exceed the MDE residential soil cleanup standard (230 mg/kg). Because the property had a non-residential use, CGS concluded that no further investigation or remediation was necessary at that time.

2.4.2 Groundwater Analysis

The grab groundwater samples from SB-03 and SB-05 were analyzed for VOCs by USEPA Method 8260. In addition, the grab groundwater sample collected from SB-03 was analyzed for TPH DRO by USEPA Method 8015M. One field blank was collected for VOC analysis. No analytes were detected above laboratory reporting limits in any of the samples.

3.0 HAZARDOUS MATERIALS SURVEY

The Hazardous Materials Survey was conducted at the Site on November 8, 11, and 13, 2013. The results of the Survey are presented in the following sections.

3.1 Asbestos Survey

A pre-demolition asbestos survey was conducted at the Site by a Certified Asbestos Inspector licensed and recognized by USEPA Region III (DC, Maryland, & Virginia). The inspector first determined the possible phases of construction so that dates of installation of various suspected materials could help identify any materials that could potentially contain asbestos. The News Post building was segregated for the sampling locations into three construction phases. The front of the building is from one time period, and it is clearly seen in the different colors of exterior brick and the different elevation of the second floor walking areas. This portion of the building was labeled as “Building 1.” The middle and oldest portion of the building, which was originally a single story building before the second floor was constructed, is labeled “Building 2.” The newest section and rear of the building, which contained the large industrial machinery and warehouse portion, was labeled “Building 3.”

The building was surveyed for all possible materials in accordance with EPA’s Asbestos Hazard and Emergency Response Act (AHERA) protocols for thermal system insulation, surfacing materials, and miscellaneous materials.

The most common asbestos containing thermal system insulations (TSI) are the following: air cell, which is an asbestos containing paper; calcite and magnesia, which are powdery fibrous silica; and preformed asbestos lagging or blocks. These types of TSI were used for many years as insulation wrapped around pipes, boilers, ducts, and hot water tanks in order to reduce thermal heat loss and prevent condensation.

Acoustical troweled-on-plaster and sprayed-on fireproofing are categorized as surfacing asbestos containing building materials (ACBM). Fireproofing insulation was applied as a fluffy coating in order to provide two to four-hour fire protection, so that structural beams would not warp and collapse during a fire. Insulation of this type has a high potential to release fibers into the air upon any physical contact or by the action of air currents. Asbestos-containing plaster was also used for fireproofing and for acoustical purposes. Non-friable surfacing ACBM that has a low potential for disturbance also presents a low potential for fiber release.

Floor and ceiling tiles are categorized as miscellaneous interior building materials. Of the two, ceiling tiles are the most common friable materials. Ceiling tiles may release asbestos fibers with little disturbance. Air currents from HVAC systems may also cause erosion of ceiling tiles and subsequent asbestos fiber release. Routine maintenance of pipes located above asbestos-containing ceiling tiles can possibly cause some quantity of fibers to be released due to disturbance of the tiles. Under normal conditions, non-friable floor tile has virtually no potential for fiber release. However, if these materials are sanded, drilled, broken, or otherwise structurally disturbed they can release fibers to the air and the environment.

The results of asbestos survey identified ACBMs in various vinyl sheet flooring and 9”x9” floor tiles, but not in the associated mastic, in all of the pipe and joint insulation throughout Buildings 1 and 2, in the elbow or fitting (formed) pipe joint insulation in Building 3, and in the window glazing or caulk in Building 2. Markups of building drawings identifying the asbestos containing vinyl sheet and tile, as well as pipe runs throughout the building are included in Attachment C.

If the identified ACBM will be disturbed in any way during planned renovations or demolition, then these materials will require abatement by a licensed contractor. The ACBM pipe insulation in the loft, that was observed to be in poor condition, should be removed by a licensed contractor as soon as possible or this area should be blocked from access to prevent potential inhalation exposure.

It should be noted that very limited destructive or “behind the wall” sampling techniques were conducted during the asbestos survey. Given that some areas of the News Post building are inaccessible or behind enclosed surfaces, the inspector was not able to confirm the presence or absence of ACBMs behind walls, above ceilings, and/or inside ducts and chases. Estimates were made of the quantities of the pipe and elbow insulation taking this into account. It is recommended that during future demolition activities, if suspect building materials are exposed, they should be treated as asbestos until either removed by a qualified contractor or tested to confirm if asbestos is present in the material.

A total of 23 samples were collected and this resulted in 35 analyses as some of the samples consisted of multiple layers such as floor tile with the associated mastic. All samples were analyzed by EMSL Analytical (EMSL) using polarized light microscopy (PLM), EPA Method 600. EMSL is an accredited laboratory that participates in the National Voluntary Laboratory Accreditation Program (NVLAP Accreditation #200293) administered by the National Institute of Standards and Testing and is licensed in the State of Maryland. EMSL’s laboratory is also accredited through the American Industrial Hygiene Association (AIHA Accreditation #102291). Table 1 summarizes the results of the bulk sample analyses. Bold entries indicate the existence of ACBM. ACBM is defined as any material or product which contains greater than one percent asbestos. The analytical results and chain of custody documentation can be found in Attachment D.

Sampling activities were conducted on November 8, 11, and 13, 2013. Only one sample of like material was taken from each designated building (i.e., Building 1, 2, or 3) and at the discretion of the inspector based on his experience and knowledge. This approach to sample collection reduced the number and type of samples collected to materials that were suspected to contain asbestos and that could have been unique or homogeneous to the different construction dates of the building. Photos representing the various materials and positive materials are included in Attachment E to this report.

Table 1: Summary Asbestos

Sample No.	Description	Location	Analytical % Asbestos	Type/ Category	Condition	Estimated Quantity
C13-1579-1	Window Glazing or caulk	Building 1	None Detected	Non-Friable	Poor	N/A
C13-1579-2	Window Glazing or caulk	Building 1	None Detected	Non-Friable	Poor	N/A
C13-1579-3	Smooth Coat Plaster	Building 1 Basement Entry Stairway	None Detected	Non-Friable	Poor	N/A
C13-1579-4.1	Dark Pattern Vinyl sheet	Building 1 1st Floor (mail room, Lobby & Occupied Admin Offices)	25%	Non-Friable Chrysotile	Fair	8x10= 80 6x20=120 70x20=<u>1,400</u> 1,600 Square Feet
C13-1579-4.2	Vinyl Floor Mastic	Same as above	None Detected	Non-Friable	Good	N/A
C13-1579-5.1	Speckle Brown Pattern Vinyl sheet floor	Building 1 1st Floor Front unoccupied office	35%	Non-Friable Chrysotile	Good	15x25= 375 Square Feet
C13-1579-5.2	Vinyl Floor Mastic	Same as above	None Detected	Non-Friable	Good	N/A
C13-1579-5.3	Vinyl Floor Felt Backing	Same as above	None Detected	Non-Friable	Good	N/A
C13-1579-5.4	Vinyl Floor Felt Mastic	Same as above	None Detected	Non-Friable	Good	N/A
C13-1579-6	Smooth Plaster All Walls	Building 1 2 nd Floor	None Detected	Non-Friable	Fair	N/A
C13-1579-7	2x4 Drop Ceiling Tiles	Building 1 2 nd Floor	None Detected	Non-Friable	Good	N/A
C13-1579-8.1	9"x9" Gray Floor Tile	Building 2 Stair Landing to loft storage	8%	Non-Friable Chrysotile	Good	4 x 5 = 20 Square Feet
C13-1579-8.2	9"x9" Gray Floor Tile Mastic	Same as above	None Detected	Non-Friable	Good	N/A
C13-1579-9	Pipe Insulation	Building 1&2 throughout	50%	Friable Chrysotile	Fair to Poor	2000-4,000 Linear Feet
C13-1579-10	Window Glazing or Caulk	Building 2 2nd Floor	7%	Friable Chrysotile	Fair to Poor	Unknown
C13-1579-11.1	12"x12" Floor Tile	Building 2 2 nd Floor	None Detected	Non-Friable	Good	N/A
C13-1579-11.2	12"x12" Floor Tile Mastic	Same as above	None Detected	Non-Friable	Good	N/A
C13-1579-12	Smooth Coat Plaster	Building 2 2 nd Floor	None Detected	Non-Friable	Good	N/A
C13-1579-13.1	Floor Underlayment	Building 2 2 nd Floor	None Detected	Non-Friable	Good	N/A

Sample No.	Description	Location	Analytical % Asbestos	Type/ Category	Condition	Estimated Quantity
C13-1579-13.2	Floor Underlayment Mastic	Same as above	None Detected	Non-Friable	Good	N/A
C13-1579-13.3	Floor Underlayment Felt Backing	Same as above	None Detected	Non-Friable	Good	N/A
C13-1579-14.1	White and Gray Sheet Vinyl Flooring	Building 2 2 nd Floor, near Bldg 3	None Detected	Non-Friable	Good	N/A
C13-1579-14.2	Vinyl Floor Mastic	Same as Above	None Detected	Non-Friable	Good	N/A
C13-1579-15.1	12"x12" Gray Floor Tile	Building 2 2 nd Floor	None Detected	Non-Friable	Good	N/A
C13-1579-15.2	12"x12" Floor Tile Yellow Mastic	Same as above	None Detected	Non-Friable	Good	N/A
C13-1579-16	Wall Plaster Top or Smooth Coat	Building 2 2 nd Floor	None Detected	Non-Friable	Good	N/A
C13-1579-17.1	12"x12" Gray Floor Tile	Building 2 1 st Floor Tearsheet Rm	None Detected	Non-Friable	Good	N/A
C13-1579-17.2	12"x12" Floor Tile Yellow Mastic	Same as above	None Detected	Non-Friable	Good	N/A
C13-1579-18	Window Glazing or Caulk	Building 2 Exterior	None Detected	Non-Friable	Fair to Poor	N/A
C13-1579-19.1	12"x12" Gray Floor Tile	Building 1, 2 nd Floor Staircase Landing	None Detected	Non-Friable	Good	N/A
C13-1579-19.2	12"x12" Floor Tile Mastic	Same as Above	None Detected	Non-Friable	Good	N/A
C13-1579-20	Underlayment to floor listed above	Same as Above	None Detected	Non-Friable	Fair	N/A
C13-1579-21	Pipe elbow or formed insulation	Building 3 throughout	70%	Friable Chrysotile	Good to Fair	Unknown, estimate 300
C13-1579-22	Pipe elbow or formed insulation	Building 3 throughout	65%	Friable Chrysotile	Good to Fair	Included with above est.
C13-1579-23	12"x12" Spline Ceiling Tiles	Building 2 2 nd Floor	None Detected	Friable	Fair	N/A

**** Bold text in table indicates positive analysis for ACM****

In addition to the samples collected from the News Post building, the smaller Tannery building, located to the rear of the Site, was also inspected. This building was mostly unfinished and contained only two runs of suspect asbestos piping insulation totaling less than 50 feet in length. These piping runs were located near the bay door entrance. No other suspected materials were identified in the Tannery building mainly because the living and office areas had experienced a fire which had destroyed most of the surfacing and miscellaneous materials which may have been present prior to the fire.

3.2 Lead Based Paint Survey

A limited lead based paint (LBP) survey was performed under the scope of work. The Housing and Urban Development Administration's (HUD) definition of LBP was used as the basis for this survey. LBP is defined as paint or coating that contains lead at or above 1.0 milligram per square centimeter (mg/cm²), or more than 0.5% by weight. The State of Maryland defines LBP as any paint containing lead at a concentration of > 0.7 mg/cm² or 0.5% by total weight. Confirmation of LBP was performed through laboratory analysis. EPA Method SW846-7420 and Flame Atomic Absorption were used to determine the percentage of lead.

The inspector collected suspect LBP chips focusing on exterior building walls, window frames inside and out, interior molding, and the original or oldest painted interior wall surfaces. Table 2 provides a description of where each sample was taken.

Seven samples were collected for lead analysis. All samples were analyzed by EMSL. Table 2 summarizes the results of the paint chip analyses. Four of the paint samples had a high enough percentage of lead to be considered LBP. These samples are shown in bold text. The analytical results and chain of custody documentation can be found in Attachment D. Photographs representing the various painted surfaces that were sampled are included in Attachment E.

Table 2: Summary of Identified Lead Based Paint Chip Analysis

Sample ID	Description	Lead Concentration % Weight Total
C13-1579-Pb-1	Bldg 1 Window Exterior Green	3.6%
C13-1579-Pb-2	Bldg 1 2 nd Floor Front Office Trim Dark Blue	0.28%
C13-1579-Pb-3	Bldg 1 2 nd Floor Front Office Walls Light Blue	0.14%
C13-1579-Pb-4	Bldg 1 2nd Floor above Ceiling Green Walls	2.7%
C13-1579-Pb-5	Bldg 1 2nd Floor Windows Interior Brown	3.1%
C13-1579-Pb-6	Bldg 2 2 nd Floor Back Office Gray Wall	0.22%
C13-1579-Pb-7	Tannery Building Exterior White	0.65%

**** Bold text in table indicates positive analysis for LBP****

3.3 Universal Waste and Miscellaneous Hazardous Materials

The results of the survey indicate that hazardous materials do exist at the Site in the form of Universal Waste and miscellaneous hazardous materials.

Universal Waste

A Universal Waste is a common product, found in considerable quantities, that exhibits low-level hazards. All Universal Waste must be handled in a way as to prevent the release of the hazardous waste into the environment, contained in a secure manner, labeled, and safely transported to a destination facility. Definitions of Universal Waste are detailed in 40 CFR 273.9.

The inspector identified quantities of potential mercury vapor fluorescent light tubes and light fixture ballasts potentially containing polychlorinated biphenyls (PCBs).

Class I and Class II ozone-depleting compounds were identified as part of the refrigeration units. Ozone-depleting compounds contain molecules of chlorine, fluorine, or bromine. Title VI of the United States Clean Air Act Amendments (CAA) of 1990 has defined ozone-depleting substances as belonging to Class I (most harmful) and Class II (less harmful). Under EPA's rule, equipment that is typically dismantled on-site before disposal (e.g., retail food refrigeration, central air-conditioning, chillers, and industrial process refrigeration) must have the refrigerant recovered in accordance with EPA's requirements for servicing.

Miscellaneous Hazardous Materials

CGS noted miscellaneous hazardous materials that should be appropriately contained and removed from the Site prior to demolition. Fluids included hydraulic oils, print inks, solvents, and other lubricants and cleaners. Solids included rat poison, detergent gasoline containers, paint cans, and other debris. Care should be taken to avoid dermal contact when removing and disposing of these miscellaneous materials.

4.0 CONCLUSIONS AND RECOMMENDATIONS

CGS has completed an Additional Subsurface Investigation and Hazardous Materials Survey at the Site. No new environmental conditions were identified during the Additional Subsurface Investigation that could result in regulatory enforcement action. The only analyte detected was 4-Isopropyltoluene in the soil sample collected from SB-06. No MDE soil standard or USEPA RSL exists for 4-Isopropyltoluene. No other VOCs or TPH DRO were detected in the soil and groundwater samples analyzed as part of this investigation.

CGS understands that the Client's future development plans for the Site may include excavation and construction in the area where the heating oil USTs were located and the TPH DRO contamination was found in soil collected from boring B-1a during the previous Phase II Subsurface Investigation. Since no contamination was found in the three soil borings advanced surrounding B-1a during this investigation, this provides good evidence that the volume of contaminated soil associated with the former heating oil USTs is limited.

Based on the sampling results from the three borings advanced in the printing press room of the News Post building, any spills of Naphtha petroleum distillates that were used in the printing operation had little impact on underlying soil and groundwater.

According to the owner's representative, test pits were excavated in 2008 to confirm that a gasoline tank no longer exists on the south side of the tannery building. CGS recommends that the Client get written verification from the owner that this work was done and no tank was found.

Based on the analytical results, the vinyl sheet flooring and 9"x9" floor tiles throughout the building are ACM. All of the pipe insulation and formed elbows present in Buildings 1 and 2 should be considered asbestos containing. In Building 3, only the elbows or formed fitting insulation at all the joints tested positive for ACM. The window glazing or caulk in Building 2 contains asbestos. All identified ACM must be removed prior to demolition or renovation of the subject buildings in accordance with all local, state, and federal laws. If any new materials, which were not sampled during the survey, are discovered during demolition or renovation activities, these materials should be treated as ACM until laboratory analysis confirms otherwise.

There is LBP present throughout the facility in Buildings 1 and 2 in the form of green and brown painted windows, the light green paint is believed to be present throughout Building 1 under existing layers of paint, and the exterior white paint of the Tannery building. Separating these materials prior to demolition is not practical and cost prohibitive. Demolition of this material is acceptable if testing of the representative total percentage of lead in the entire material to be disposed does not exceed 0.5%, which is most likely.

Caution should be taken to minimize the dust created during demolition activities due to both the potential for contaminated dust to settle in nearby surfaces outside of the construction zone which will cause cross contamination and the possible need to remediate adjoining properties. The presence of LBP should be considered when designing dust control strategies which will both prevent excessive dust from migrating off site and avoid excessive moisture in the demolished materials making it difficult to control runoff of liquids from the Site as well. The presence of LBP requires the pre-testing of materials in represented quantities by percentage and submission for testing as required by federal and local regulations.

The results of the survey indicate that hazardous materials do exist at the Site in the form of Universal Waste and miscellaneous hazardous materials. Class I and Class II ozone-depleting compounds were identified as part of the refrigeration units. These compounds must be recovered from the refrigeration units prior to building demolition. The inspector identified quantities of potential mercury vapor fluorescent light tubes and light fixture ballasts potentially containing PCBs. These items should be removed to a safe area and segregated for further assessment and categorized for proper disposal during demolition stages. Miscellaneous hazardous materials identified included hydraulic oils, print inks, solvents, and other lubricants and cleaners which must be disposed of prior to demolition.

5.0 POTENTIAL REMEDIATION AND ABATEMENT COSTS

5.1 Contaminated Soil Segregation and Disposal

The only potential remediation costs for subsurface contamination is that to remove TPH DRO contaminated soil where the heating oil USTs were located on the east side of the News Post building. This soil would only need to be removed should construction of the new hotel require excavation in this area to the depth of contamination.

Excavated material that meets the definition of “clean” soil can be used as fill at other construction sites or as landfill cover for free or at a nominal cost. Alternatively, excavated material that does not meet the definition of “clean” soil must be disposed of at a regulated treatment facility. The definition of “clean” soil in Maryland is 10 mg/kg TPH (COMAR 26.10.13.11).

PID readings above 10 parts per million (ppm) were measured in boring B-1a starting at 12 feet bgs to the boring refusal depth at 18 feet bgs. Assuming that these PID readings equate to TPH soil concentrations greater than 10 mg/kg, results in a 6 foot thick layer of contaminated soil that must be disposed at a regulated treatment facility. For cost estimating purposes, the areal extent of this contaminated soil is interpolated to be half the distance between B-1a and each of the surrounding borings (SB-01, SB-02, and SB-03) where no detectable soil contamination was found (Figure 2). This results in an estimated aerial extent of 250 square feet and a contaminated soil volume of 1,500 cubic feet (6 feet thick x 250 square feet) or 56 cubic yards. Assuming that each cubic yard of soil weighs 1 ½ tons, results in a quantity of 84 tons that must be disposed at a permitted disposal facility.

The estimated cost for segregation, transportation and disposal of the petroleum contaminated soil is \$60 per ton, resulting in a cost of **\$5,000** for the disposal of contaminated soil excavated during construction. This cost does not include excavation, because excavation costs are part of normal construction costs.

5.2 Hazardous Materials Abatement

Hazardous materials abatement should be managed by a third party industrial hygiene firm to monitor removal activities to ensure airborne concentrations of asbestos and lead paint are not present during any of the removal activities and to document these conditions to refute any claim that counters this assertion. This firm would also manage the characterization and disposal of Universal Waste and miscellaneous hazardous materials. The estimated management cost is:

Industrial Hygiene Firm – Management and Oversight **\$15,000**

The removal of asbestos and lead based paint materials will need to be completed under critical barriers throughout all the building at the same time with some limited demolition of walls on the first floor to provide access.

The following is a breakdown of the estimated cost for abatement of ACBM, LBP, and Universal Waste and miscellaneous hazardous materials. These estimates are provided for planning purposes only. The Client should solicit bids for comprehensive abatement and disposal. It will be the responsibility of the abatement contractor to confirm the estimated quantities provided in Table 1 for asbestos abatement and the quantities of Universal Waste and miscellaneous hazardous materials prior to bidding the work.

ACBM

Asbestos is a hazardous air pollutant that is regulated by the state and federal governments. Asbestos abatement contractors that remove, repair, or encapsulate ACBM must be licensed to do this work. These regulations are promulgated in COMAR 26.11.21 Control of Asbestos.

- ACBM Piping Insulation - Buildings 1 and 2 and the Tannery \$ 45,000
 - ACBM Vinyl Sheeting Under Rugs - 1,600 SF (more may be present) \$ 5,000
 - Windows & Doors (ACBM glazing) – Building 1 and 2 \$ 10,000
 - ACBM Pipe Fittings – Building 3 \$ 15,000
- Total Estimated Asbestos Abatement Cost \$75,000**

LBP

The window frames in Buildings 1 and 2 have LBP. It is recommended that these windows be removed as a part of the asbestos removal. This is usually encouraged by MDE during the demolition because window painting is usually much higher in lead concentrations than walls as evident by the 3% lead concentrations in the exterior green and interior brown paints on all the windows.

- Window & Door Removal - Buildings 1 and 2 \$15,000
 - Wall paint is assumed to pass TCLP - Analysis (1 per 2500 sf) 4-6 samples \$ 3,000*
- Total Estimated Lead Abatement Cost \$18,000**

*Estimated Cost for laboratory analysis only.

Composite Sample and Demolish according to ASTM E1908-10.

Universal Waste and Miscellaneous Hazardous Materials

Remove fluorescent light bulbs and all ballasts (MDE encouraged due to oils in ballast) as precaution against mercury powder and hydrocarbons from oils in the ballast getting into the landfill waste stream.

- Fluorescent Light Bulbs and Ballast removal (during asbestos removal) \$ 8,500
 - Hydraulic Oils, Print Inks, Solvents, and Lubricants and Cleaners \$ 4,000
- Total Estimated Cost for Disposal \$12,500**

6.0 REFERENCES

ASTM E1908-10 Standard Guide for Sample Selection of Construction Debris Waste

Code of Maryland Regulations (COMAR), Department of the Environment, 1988. Title 26, Subtitle 10, Chapter 13, Section 11 – Post-Treatment Use of Oil-Contaminated Soil.

Maryland Geological Survey, 1968, Geologic Map of Maryland.

Maryland Geological Survey, 2001, Physiographic Provinces and their Subdivisions in Maryland.

State of Maryland Department of the Environment Cleanup Standards for Soil and Groundwater, Interim Final Guidance, Update No. 2.1, June 2008.

United State Geological Survey, 1993, 7.5-Minute Series Frederick Topographic Quadrangle.

7.0 LIMITATIONS

The work performed in conjunction with this project, and the data developed, are intended as a description of available information at the sample locations and depths indicated and the dates specified. Generally accepted industry standards were used in the preparation of this report.

Laboratory data are intended to approximate actual conditions at the time of sampling. Results from future sampling and testing may vary significantly as a result of natural conditions, a changing environment or the limits of analytical capabilities. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a specific location or depth not investigated. The limited sampling conducted is intended to approximate actual conditions by extrapolation between data points. Actual conditions may vary.

CGS has based its recommendations on observable conditions and analytical results from an independent analytical laboratory, which is solely responsible for the accuracy of its methods and results.

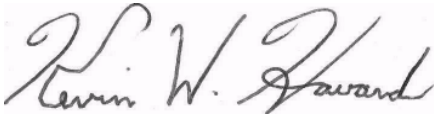
CGS is pleased to have been of service to Plamondon Hospitality Partners on this project. If you have any questions regarding this report please contact the undersigned at (410) 740-1911.

Sincerely,

Chesapeake GeoSciences, Inc.



Nancy D. Love, PG
Senior Project Manager



Kevin W. Howard, PG
Principal

Enclosures:

Figure 1: Site Location Map

Figure 2: Boring Location Map

Attachment A: Soil Boring Logs

Attachment B: Laboratory Analytical Report - Additional Subsurface Investigation

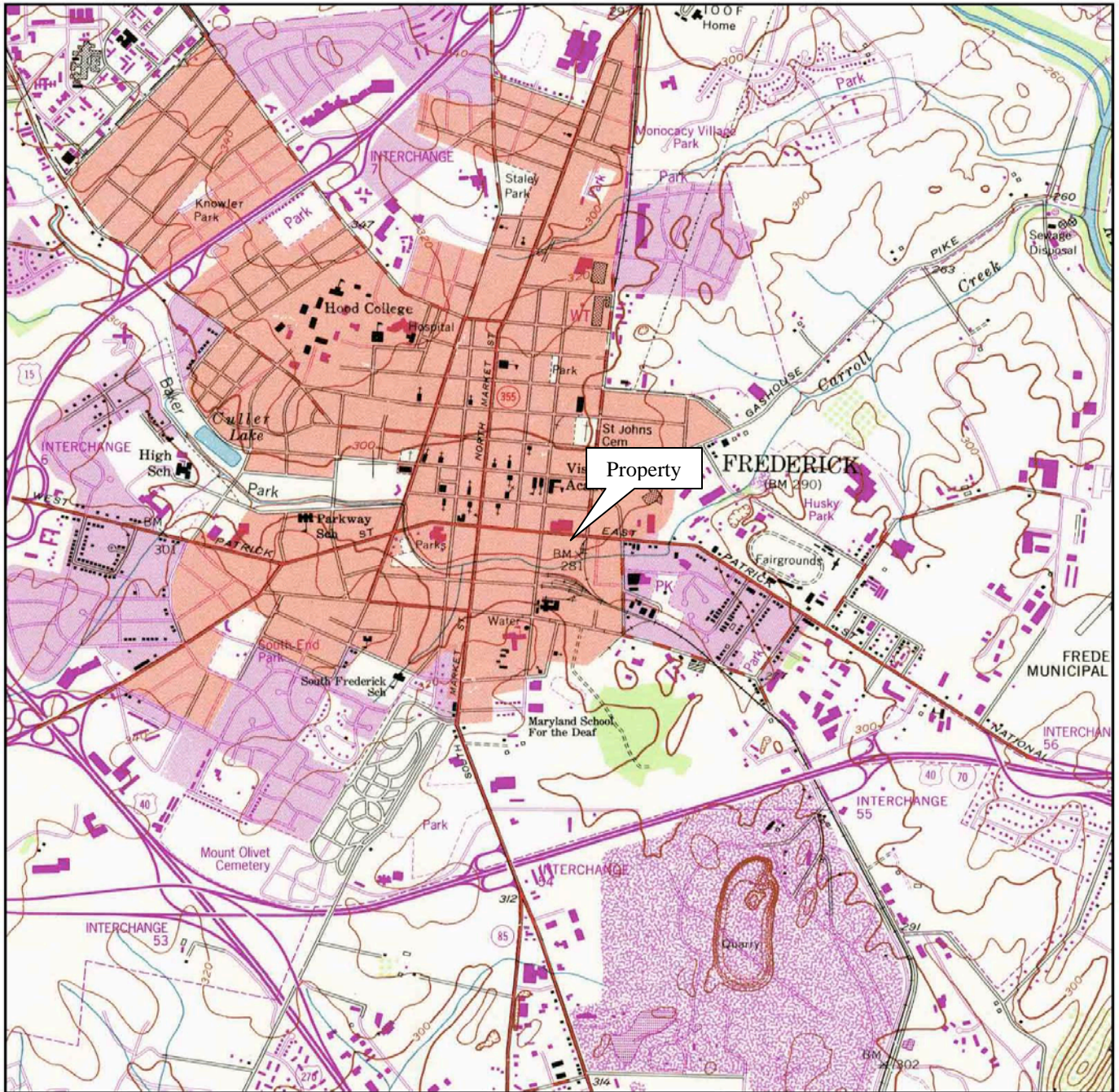
Attachment C: ACBM Markups of Building Drawings

Attachment D: Laboratory Analytical Report - Hazardous Materials Survey

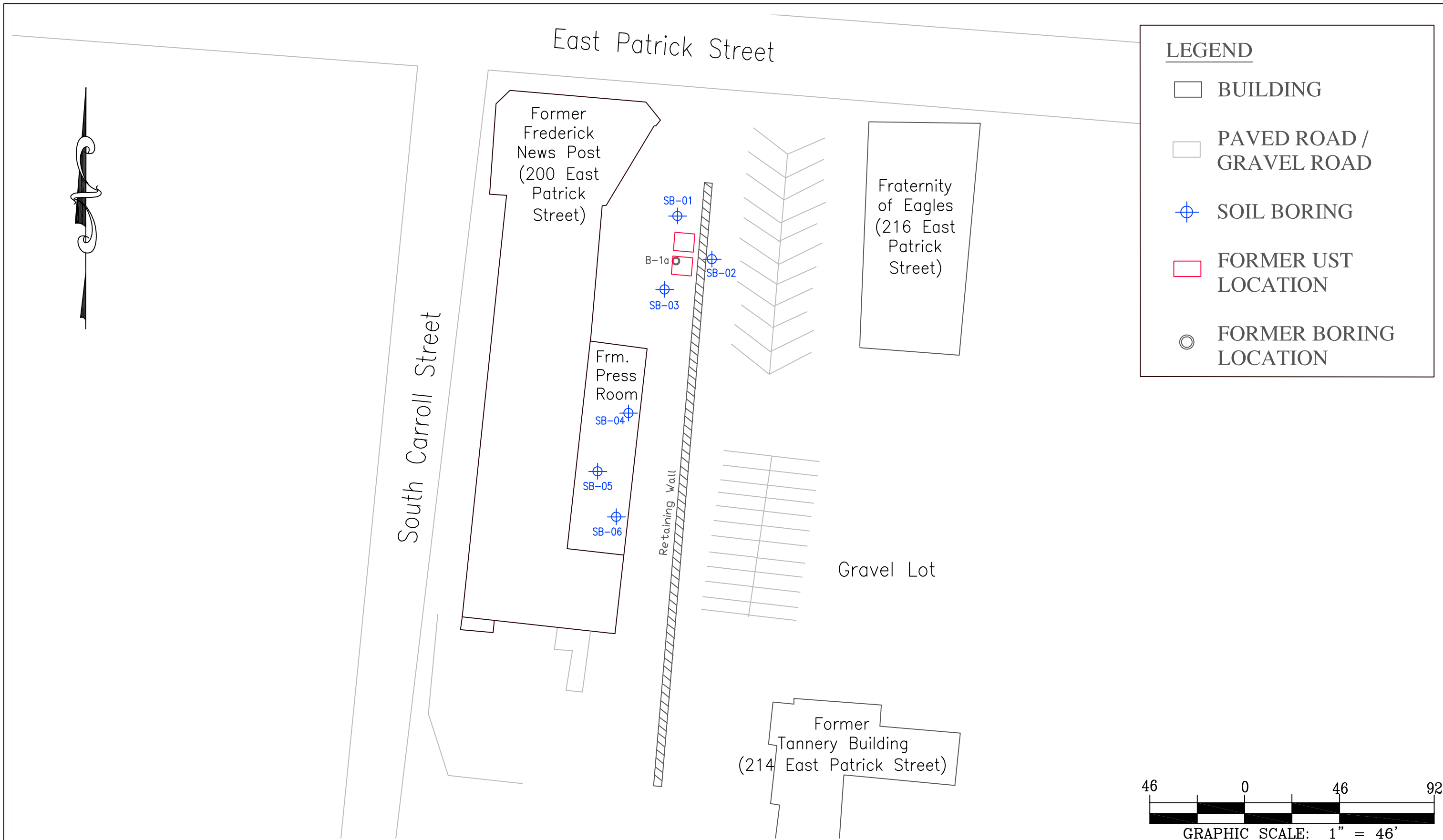
Attachment E: Photographs – Hazardous Materials Survey

FIGURES

Figure 1: Topographic Map



<p>N</p>	TARGET QUAD	SITE NAME: Frederick News-Post	CLIENT: Plamondon
	NAME: FREDERICK	ADDRESS: 200 East Patrick Street	CONTACT: Kevin Howard
	MAP YEAR: 1993	Frederick, MD 21701	DATE: 11/22/2013
	REVISED FROM: 1953	LAT/LONG: 39.4134 / 77.4074	
	SERIES: 7.5		
SCALE: 1:24000			



Drawn By:	Date:
L. Bennett	11/22/2013
Job #:	Proj. Manager:
CG-13-900	Kevin Howard
Scale: 1" = 46 Feet	


CGS Chesapeake
GeoSciences, Inc.

5405 Twin Knolls Road, Suite 1
Columbia, Md 21045
Phone (410) 740-1911
Fax (410) 740-3299

FREDERICK NEWS POST BORING LOCATION MAP
200 & 214 East Patrick Street, Frederick, MD 21701

FIGURE 2

**ATTACHMENT A
SOIL BORING LOGS**

PROJECT: Additional Subsurface Investigation	DATE STARTED: 11/11/13	
LOCATION: 200 East Patrick St, Frederick, MD 21701	DATE/TIME COMPLETED: 11/11/13 16:30	
DRILLING COMPANY: Tidewater, Inc.	LOGGED BY: Meg Staines	
DRILLING METHOD: Geoprobe Direct-Push	PROJECT MANAGER: Kevin Howard	
SAMPLING METHOD: Continuous Macrocores	BORING DIAMETER: 2"	BORING DEPTH: 20.6'
DEPTH TO GW (ft) FROM TOC: ~16-18' DATE: 11/11/13		NOTES: Outside, northernmost SB

DEPTH (ft)	PID READINGS (PPM)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES
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0.0	1111		ASPH		Asphalt	15:30 Checked calibration on PID 101 ppm - good Hit > 1'-thick concrete on 1st try Moved NW for 2nd attempt - good
-2.0	0000	22" 48"	CONC		Concrete	
-4.0	0000		FILL		Black, damp, dense, burned material: cinders, debris, brick, f-c Sand.	
-6.0	0000	44" 48"	ML		Yellowish brown, damp, medium stiff, clayey SILT, little debris, fill.	
-8.0	0000		CL/GC		Light brownish yellow, damp stiff, slightly plastic Silty CLAY and fine GRAVEL; Native.	
-10.0	0000	36" 48"	GW		White and brownish yellow, damp, dense, f-c GRAVEL, some clayey f-c Sand. Layer of Clayey Sand (9") at 10.75 - 11.25.	
-12.0	0111	30"	CL		Light brownish yellow, damp, stiff, slightly plastic Silty CLAY.	

PROJECT CG-13-0900		SOIL BORING LOG SB-01			PAGE 2 OF 2		
DEPTH (ft)	PID READINGS (PPM)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	BORING COMPLETION LOG

-14.0	0000	$\frac{30''}{48''}$	SM		Light brownish yellow, damp, medium dense, fine to coarse SAND, some Silt.		
-16.0	11000		CL		Light brownish yellow, damp, stiff, plastic Silty CLAY. Moist at 16'		
-18.0	11000	$\frac{24''}{48''}$	GC		Brownish yellow, moist-wet, stiff Silty CLAY and gray rock fragments.	16:15 18' Collected soil sample	
-20.0	00000	$\frac{7''}{7''}$	BED-ROCK		Light gray, dry, very dense, limestone BEDROCK. Wet at 20 ft BG.	Refusal at 20.6'	
-22.0							
-24.0							
-26.0							
-28.0							
-30.0							

PROJECT CG-13-0900		SOIL BORING LOG SB-02		PAGE 1 OF 2		
PROJECT: Additional Subsurface Investigation			DATE STARTED: 11/11/13			
LOCATION: 200 East Patrick St, Frederick, MD 21701			DATE/TIME COMPLETED: 11/11/13 17:30			
DRILLING COMPANY: Tidewater, Inc.			LOGGED BY: Meg Staines			
DRILLING METHOD: Geoprobe Direct-Push			PROJECT MANAGER: Kevin Howard			
SAMPLING METHOD: Continuous Macrocores			BORING DIAMETER: 2"		BORING DEPTH: 24'	
DEPTH TO GW (ft) FROM TOC: 15.5'		DATE: 11/11/13		NOTES: Outside, east of retaining wall		
DEPTH (ft)	PID READINGS (PPM)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES



0.0	111		ASPH CONC		Asphalt Concrete	
-2.0	00000111	30" 48"	FILL		Gray, dry, dense, fine GRAVEL and fine to coarse Sand, some Silt. Dark grayish brown SILT and debris (brick, burned material) 2-3' BG	
-4.0	00000111	36" 48"	ML		Brownish yellow, damp, medium stiff, slightly plastic Clayey SILT. Mottled with black and dark brown; fill.	
-6.0	00000111		CL		Reddish yellow, damp, stiff Silty CLAY, some Sand and fine Gravel; native.	
-8.0	00000111	36" 48"	GW/ SW		White, dry, very dense, fine to coarse GRAVEL and brownish yellow fine to coarse Sand, little Clay.	
-10.0	00000111					
-12.0	0011	34"	CL		Brownish yellow, damp, stiff, plastic Silty CLAY.	

PROJECT CG-13-0900		SOIL BORING LOG SB-02		PAGE 2 OF 2			
DEPTH (ft)	PID READINGS (PPM)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	BORING COMPLETION LOG

-14.0	0000	34" 48"			Brownish yellow, damp, stiff, plastic Silty CLAY.		
-16.0	10000		CL				
-18.0	00000	35" 48"					
-20.0	100000						
-22.0	00000	37" 48"	GP		Gray and brownish yellow, Wet, very dense, rock fragments, little Silty Clay.		
-24.0	00000		CL GC		Brownish yellow and gray, wet, stiff, plastic Silty CLAY, some rock fragments.	17:16 19' Collected soil sample	
-26.0							
-28.0							
-30.0							

PROJECT CG-13-0900		SOIL BORING LOG SB-03		PAGE 1 OF 2		
PROJECT: Additional Subsurface Investigation			DATE STARTED: 11/11/13			
LOCATION: 200 East Patrick St, Frederick, MD 21701			DATE/TIME COMPLETED: 11/11/13 15:30			
DRILLING COMPANY: Tidewater, Inc.			LOGGED BY: Meg Staines			
DRILLING METHOD: Geoprobe Direct-Push			PROJECT MANAGER: Kevin Howard			
SAMPLING METHOD: Continuous Macrocores			BORING DIAMETER: 2"		BORING DEPTH: 24'	
DEPTH TO GW (ft) FROM TOC: 17.2'			DATE: 11/11/13		NOTES: Outside, south of former UST	
DEPTH (ft)	PID READINGS (PPM)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES



0.0	11		ASPH CONC		Asphalt Concrete	14:15 Checked calibration on PID: 103.5 ppm - good. Hit > 1'-thick concrete on 1st try. Moved east for 2nd attempt - good.
-2.0	0000	26" 48"	GP SC		Gray, dry, loose, fine GRAVEL, some fine to coarse Sand Reddish yellow, damp, stiff Clayey fine SAND.	
-4.0	0000		FILL		Black burned material: brick, cinders, Gravel, debris.	
-6.0	0000	30" 48"	ML		Grayish brown, damp, medium stiff Clayey SILT, little debris. Color change at 6.5' BG: Light brownish yellow.	
-8.0	0000				White, dry, coarse quartz GRAVEL layer at 9' BG.	
-10.0	0000	36" 48"			Native material at 9' BG: Yellow, damp, very stiff, slightly plastic Clayey SILT.	
-12.0	0000		CL		Yellow, mottled, damp, stiff, plastic Silty CLAY.	
	0000	48"				

DEPTH (ft)	PID READINGS (PPM)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	BORING COMPLETION LOG
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-14.0	0000	48" 48"			Light brownish yellow, mottled, damp, stiff, plastic Silty CLAY.		
-16.0	1111						
-18.0	0000	24" 48"	CL				
-20.0	1111				Light brownish yellow, moist, medium stiff, plastic Silty CLAY, some gray rock fragments.	14:55 19.5' Collected soil sample	
-22.0	1111	6" 48"	CL/GC		Brownish yellow, wet, soft, slightly plastic Silty CLAY, and gray rock fragments.	15:00 Collected grab-groundwater sample	
-24.0	0						
-26.0							
-28.0							
-30.0							

PROJECT CG-13-0900		SOIL BORING LOG SB-04			PAGE 2 OF 2		
DEPTH (ft)	PID READINGS (PPM)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	BORING COMPLETION LOG

-14.0	0000	29" 48"	ML CL		Brownish yellow and yellow, damp, stiff, slightly plastic SILT & CLAY. Moist 15-16 ft BG, some saprolitic texture.		
-16.0	000011				Yellow and dark brown, moist, medium stiff, plastic Silty CLAY; saprolitic texture.		
-18.0	000000	34" 48"					
-20.0	000000				Yellow, wet, medium stiff, plastic Silty CLAY, some rock fragments.		
-22.0	000000	21" 24"	CL			Discrete sampler accidentally pushed 20-28 ft BG instead of 20-24 ft BG.	
-24.0	000000						
-26.0	000000	21" 24"			Mostly gray rock fragments 25.5-26 ft BG. Yellow, mottled with red, wet, medium stiff, plastic Silty CLAY, some rock fragments.		
-28.0	000000						
-30.0							

PROJECT CG-13-0900		SOIL BORING LOG SB-05		PAGE 2 OF 2			
DEPTH (ft)	PID READINGS (PPM)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	BORING COMPLETION LOG

-14.0	0	39" 48"	CL		Light yellowish brown, damp, stiff, slightly plastic Silty CLAY.		
-16.0	0		ML GC		White and yellow, damp, medium stiff Clayey SILT and quartz rock fragments (no rock 16-18 ft BG).		
-18.0	0	48" 48"	CL		Light brownish yellow damp, stiff, plastic Silty CLAY. Saprolite texture. Moist 19-20 ft BG.	11:30 19' Collected soil sample	
-20.0	1		SM		Yellow, wet, dense, fine to coarse SAND and Silt, little Clay, little fine rock fragments.		
-22.0	1	10" 48"	SM				
-24.0	0					12:00 Collected grab-ground- water sample	
-26.0	1	12" 48"	GC		Yellow and gray, wet, dense, fine rock fragments, and plastic Silty CLAY.		
-28.0	0						
-30.0							

PROJECT CG-13-0900		SOIL BORING LOG SB-06		PAGE 1 OF 2		
PROJECT: Additional Subsurface Investigation			DATE STARTED: 11/11/13			
LOCATION: 200 East Patrick St, Frederick, MD 21701			DATE/TIME COMPLETED: 11/11/13 13:35			
DRILLING COMPANY: Tidewater, Inc.			LOGGED BY: Meg Staines			
DRILLING METHOD: Geoprobe Direct-Push			PROJECT MANAGER: Kevin Howard			
SAMPLING METHOD: Continuous Macrocores			BORING DIAMETER: 2"		BORING DEPTH: 18'	
DEPTH TO GW (ft) FROM TOC: ~18'		DATE: 11/11/13		NOTES: In building, farthest south boring		
DEPTH (ft)	PID READINGS (PPM)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES



0.0			CONC GP		Concrete 6.5" Gravel base	12:40 Checked calibration on PID: 100.2 ppm - good.
-2.0	0.6	32" 48"	FILL		Black, dry, loose burned material. Reddish brown, medium stiff, damp SILT, some fine Sand, little brick and debris. Layer of white, dry, dense, coarse GRAVEL at 2.5'	Bottom 16" of material fell out of Macrocore
-4.0	1.1	22" 48"	ML GP		Layers of yellowish brown, damp, medium stiff Clayey SILT and layers of pale yellow and white, dry, dense, coarse GRAVEL (3"x2"). Some black material at 8'.	
-6.0	1.1	26" 48"			Color change at 9 ft BG: reddish yellow Clayey SILT; gray and red GRAVEL.	
-8.0	1.1					
-10.0	0.0		CL		Grayish brown mottled with black, moist, medium stiff Silty CLAY, some black wood. Swamp material.	
-12.0	0.0					

PROJECT CG-13-0900		SOIL BORING LOG SB-06		PAGE 2 OF 2			
DEPTH (ft)	PID READINGS (PPM)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	BORING COMPLETION LOG

-14.0	0	48"	CL		Grayish brown, moist, medium stiff, plastic Silty CLAY, little fine Gravel. Red 3" thick layer at 14'. Swamp material. Color change at 16 ft BG = Light brownish yellow.	Hit refusal at 17' in 1st boring Hit refusal at 18' in 2nd attempt. Odor observed at bottom of both borings,	
-16.0	0	48"					
-18.0	303	24" 24"	BED-ROCK		Gray, moist, very dense Rock fragments, little Clay.	13:30 18' Collected soil sample	
-20.0							
-22.0							
-24.0							
-26.0							
-28.0							
-30.0							

ATTACHMENT B
LABORATORY ANALYTICAL REPORT –
ADDITIONAL SUBSURFACE INVESTIGATION

14 November 2013

Kevin Howard
Chesapeake GeoSciences, Inc.
5405 Twin Knolls Rd, Suite I
Columbia, MD 21045

RE: FORMER FREDERICK NEW POST PROPERTY

Enclosed are the results of analyses for samples received by the laboratory on 11/12/13 13:17.

Maryland Spectral Services, Inc. is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory. Certification status for analytes included in this report will be provided upon request.

Please visit our website at www.mdspectral.com for a complete listing of our NELAP accreditations.

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

Sincerely,



Will Brewington
Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-01 (18')		3111209-01	Soil	11/11/13 16:15	11/12/13 13:17
SB-02 (19')		3111209-02	Soil	11/11/13 17:16	11/12/13 13:17
SB-03 (19.5')		3111209-03	Soil	11/11/13 14:55	11/12/13 13:17
SB-03-GW		3111209-04	Water	11/11/13 15:00	11/12/13 13:17
SB-04 (9')		3111209-05	Soil	11/11/13 10:05	11/12/13 13:17
SB-05 (19')		3111209-06	Soil	11/11/13 11:30	11/12/13 13:17
SB-05-GW		3111209-07	Water	11/11/13 12:00	11/12/13 13:17
SB-06 (18')		3111209-08	Soil	11/11/13 13:30	11/12/13 13:17
FB		3111209-09	Water	11/11/13 12:45	11/12/13 13:17



Will Brewington, Staff Chemist

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-01 (18')

3111209-01 (Soil)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting			Prepared	Analyzed	Analyst	Notes
			Limit	Dilution					
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND	ug/kg dry	13.7	1	11/12/13	11/12/13 16:25	WB		
tert-Amyl alcohol (TAA)	ND	ug/kg dry	68.5	1	11/12/13	11/12/13 16:25	WB		
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Benzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Bromobenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Bromochloromethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Bromodichloromethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Bromoform	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Bromomethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
tert-Butanol (TBA)	ND	ug/kg dry	68.5	1	11/12/13	11/12/13 16:25	WB		
2-Butanone (MEK)	ND	ug/kg dry	13.7	1	11/12/13	11/12/13 16:25	WB		
n-Butylbenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
sec-Butylbenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
tert-Butylbenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Carbon disulfide	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Carbon tetrachloride	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Chlorobenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Chloroethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Chloroform	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Chloromethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
2-Chlorotoluene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
4-Chlorotoluene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Dibromochloromethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
1,2-Dibromoethane (EDB)	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Dibromomethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
1,2-Dichlorobenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
1,3-Dichlorobenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
1,4-Dichlorobenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Dichlorodifluoromethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
1,1-Dichloroethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
1,2-Dichloroethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
1,1-Dichloroethene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
cis-1,2-Dichloroethene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
trans-1,2-Dichloroethene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
Dichlorofluoromethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		
1,2-Dichloropropane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-01 (18')

3111209-01 (Soil)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting			Analyzed	Analyst	Notes
			Limit	Dilution	Prepared			
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)								
1,3-Dichloropropane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
2,2-Dichloropropane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
1,1-Dichloropropene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
cis-1,3-Dichloropropene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
trans-1,3-Dichloropropene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
Diisopropyl ether (DIPE)	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
Ethylbenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
Hexachlorobutadiene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
2-Hexanone	ND	ug/kg dry	13.7	1	11/12/13	11/12/13 16:25	WB	
Isopropylbenzene (Cumene)	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
4-Isopropyltoluene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
4-Methyl-2-pentanone	ND	ug/kg dry	13.7	1	11/12/13	11/12/13 16:25	WB	
Methylene chloride	ND	ug/kg dry	13.7	1	11/12/13	11/12/13 16:25	WB	
Naphthalene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
n-Propylbenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
Styrene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
Tetrachloroethene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
Toluene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
1,2,3-Trichlorobenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
1,2,4-Trichlorobenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
1,1,1-Trichloroethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
1,1,2-Trichloroethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
Trichloroethene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
1,2,3-Trichloropropane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
1,2,4-Trimethylbenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
1,3,5-Trimethylbenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
Vinyl chloride	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
o-Xylene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
m- & p-Xylenes	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 16:25	WB	
Surrogate: 1,2-Dichloroethane-d4		80-120	91 %		11/12/13	11/12/13 16:25		
Surrogate: Toluene-d8		81-117	101 %		11/12/13	11/12/13 16:25		
Surrogate: 4-Bromofluorobenzene		74-121	96 %		11/12/13	11/12/13 16:25		

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-01 (18')

3111209-01 (Soil)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting Limit	Dilution	Prepared	Analyzed	Analyst	Notes
DIESEL RANGE ORGANICS BY EPA 3540/8015B								
Diesel-Range Organics	ND	mg/kg dry	14	1	11/12/13	11/13/13 17:48	CMK	
Surrogate: o-Terphenyl		70-130	72 %		11/12/13	11/13/13 17:48		
PERCENT SOLIDS								
Percent Solids	73	%		1	11/12/13	11/13/13 08:58	WB	

Will Brewington, Staff Chemist

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Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-02 (19')

3111209-02 (Soil)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting			Prepared	Analyzed	Analyst	Notes
			Limit	Dilution					
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND	ug/kg dry	14.5	1	11/12/13	11/12/13 16:57	WB		
tert-Amyl alcohol (TAA)	ND	ug/kg dry	72.5	1	11/12/13	11/12/13 16:57	WB		
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Benzene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Bromobenzene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Bromochloromethane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Bromodichloromethane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Bromoform	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Bromomethane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
tert-Butanol (TBA)	ND	ug/kg dry	72.5	1	11/12/13	11/12/13 16:57	WB		
2-Butanone (MEK)	ND	ug/kg dry	14.5	1	11/12/13	11/12/13 16:57	WB		
n-Butylbenzene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
sec-Butylbenzene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
tert-Butylbenzene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Carbon disulfide	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Carbon tetrachloride	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Chlorobenzene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Chloroethane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Chloroform	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Chloromethane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
2-Chlorotoluene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
4-Chlorotoluene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Dibromochloromethane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
1,2-Dibromoethane (EDB)	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Dibromomethane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
1,2-Dichlorobenzene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
1,3-Dichlorobenzene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
1,4-Dichlorobenzene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Dichlorodifluoromethane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
1,1-Dichloroethane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
1,2-Dichloroethane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
1,1-Dichloroethene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
cis-1,2-Dichloroethene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
trans-1,2-Dichloroethene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
Dichlorofluoromethane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		
1,2-Dichloropropane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB		

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-02 (19')

3111209-02 (Soil)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting		Prepared	Analyzed	Analyst	Notes
			Limit	Dilution				
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)								
1,3-Dichloropropane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
2,2-Dichloropropane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
1,1-Dichloropropene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
cis-1,3-Dichloropropene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
trans-1,3-Dichloropropene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
Diisopropyl ether (DIPE)	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
Ethylbenzene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
Hexachlorobutadiene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
2-Hexanone	ND	ug/kg dry	14.5	1	11/12/13	11/12/13 16:57	WB	
Isopropylbenzene (Cumene)	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
4-Isopropyltoluene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
4-Methyl-2-pentanone	ND	ug/kg dry	14.5	1	11/12/13	11/12/13 16:57	WB	
Methylene chloride	ND	ug/kg dry	14.5	1	11/12/13	11/12/13 16:57	WB	
Naphthalene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
n-Propylbenzene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
Styrene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
1,1,1,2,2-Tetrachloroethane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
Tetrachloroethene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
Toluene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
1,2,3-Trichlorobenzene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
1,2,4-Trichlorobenzene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
1,1,1-Trichloroethane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
1,1,2-Trichloroethane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
Trichloroethene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
1,2,3-Trichloropropane	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
1,2,4-Trimethylbenzene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
1,3,5-Trimethylbenzene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
Vinyl chloride	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
o-Xylene	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
m- & p-Xylenes	ND	ug/kg dry	7.2	1	11/12/13	11/12/13 16:57	WB	
Surrogate: 1,2-Dichloroethane-d4		80-120	96 %		11/12/13	11/12/13 16:57		
Surrogate: Toluene-d8		81-117	100 %		11/12/13	11/12/13 16:57		
Surrogate: 4-Bromofluorobenzene		74-121	94 %		11/12/13	11/12/13 16:57		

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-02 (19')

3111209-02 (Soil)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting Limit	Dilution	Prepared	Analyzed	Analyst	Notes
DIESEL RANGE ORGANICS BY EPA 3540/8015B								
Diesel-Range Organics	ND	mg/kg dry	14	1	11/12/13	11/13/13 18:15	CMK	
Surrogate: <i>o</i> -Terphenyl		70-130	72 %		11/12/13	11/13/13 18:15		
PERCENT SOLIDS								
Percent Solids	69	%		1	11/12/13	11/13/13 08:58	WB	

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-03 (19.5')

3111209-03 (Soil)

Sample Date: 11/11/13

Analyte	Result	Units	Reporting			Analyzed	Analyst	Notes
			Limit	Dilution	Prepared			
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)								
Acetone	ND	ug/kg dry	17.5	1	11/12/13	11/12/13 17:29	WB	
tert-Amyl alcohol (TAA)	ND	ug/kg dry	87.7	1	11/12/13	11/12/13 17:29	WB	
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Benzene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Bromobenzene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Bromochloromethane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Bromodichloromethane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Bromoform	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Bromomethane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
tert-Butanol (TBA)	ND	ug/kg dry	87.7	1	11/12/13	11/12/13 17:29	WB	
2-Butanone (MEK)	ND	ug/kg dry	17.5	1	11/12/13	11/12/13 17:29	WB	
n-Butylbenzene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
sec-Butylbenzene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
tert-Butylbenzene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Carbon disulfide	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Carbon tetrachloride	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Chlorobenzene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Chloroethane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Chloroform	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Chloromethane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
2-Chlorotoluene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
4-Chlorotoluene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Dibromochloromethane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,2-Dibromoethane (EDB)	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Dibromomethane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,2-Dichlorobenzene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,3-Dichlorobenzene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,4-Dichlorobenzene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Dichlorodifluoromethane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,1-Dichloroethane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,2-Dichloroethane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,1-Dichloroethene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
cis-1,2-Dichloroethene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
trans-1,2-Dichloroethene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Dichlorofluoromethane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,2-Dichloropropane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-03 (19.5')

3111209-03 (Soil)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting			Analyzed	Analyst	Notes
			Limit	Dilution	Prepared			
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)								
1,3-Dichloropropane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
2,2-Dichloropropane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,1-Dichloropropene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
cis-1,3-Dichloropropene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
trans-1,3-Dichloropropene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Diisopropyl ether (DIPE)	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Ethylbenzene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Hexachlorobutadiene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
2-Hexanone	ND	ug/kg dry	17.5	1	11/12/13	11/12/13 17:29	WB	
Isopropylbenzene (Cumene)	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
4-Isopropyltoluene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
4-Methyl-2-pentanone	ND	ug/kg dry	17.5	1	11/12/13	11/12/13 17:29	WB	
Methylene chloride	ND	ug/kg dry	17.5	1	11/12/13	11/12/13 17:29	WB	
Naphthalene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
n-Propylbenzene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Styrene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Tetrachloroethene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Toluene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,2,3-Trichlorobenzene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,2,4-Trichlorobenzene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,1,1-Trichloroethane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,1,2-Trichloroethane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Trichloroethene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,2,3-Trichloropropane	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,2,4-Trimethylbenzene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
1,3,5-Trimethylbenzene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Vinyl chloride	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
o-Xylene	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
m- & p-Xylenes	ND	ug/kg dry	8.8	1	11/12/13	11/12/13 17:29	WB	
Surrogate: 1,2-Dichloroethane-d4		80-120	96 %		11/12/13	11/12/13 17:29		
Surrogate: Toluene-d8		81-117	99 %		11/12/13	11/12/13 17:29		
Surrogate: 4-Bromofluorobenzene		74-121	94 %		11/12/13	11/12/13 17:29		

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-03 (19.5')

3111209-03 (Soil)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting Limit	Dilution	Prepared	Analyzed	Analyst	Notes
DIESEL RANGE ORGANICS BY EPA 3540/8015B								
Diesel-Range Organics	ND	mg/kg dry	18	1	11/12/13	11/13/13 18:42	CMK	
Surrogate: <i>o</i> -Terphenyl		70-130	72 %		11/12/13	11/13/13 18:42		
PERCENT SOLIDS								
Percent Solids	57	%		1	11/12/13	11/13/13 08:58	WB	



Will Brewington, Staff Chemist

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Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-03-GW

3111209-04 (Water)

Sample Date: 11/11/13

Analyte	Result	Units	Reporting			Prepared	Analyzed	Analyst	Notes
			Limit	Dilution					
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND	ug/L	10.0	1	11/13/13	11/13/13 13:29	ECM		
tert-Amyl alcohol (TAA)	ND	ug/L	20.0	1	11/13/13	11/13/13 13:29	ECM		
tert-Amyl methyl ether (TAME)	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Benzene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Bromobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Bromochloromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Bromodichloromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Bromoform	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Bromomethane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
tert-Butanol (TBA)	ND	ug/L	15.0	1	11/13/13	11/13/13 13:29	ECM		
2-Butanone (MEK)	ND	ug/L	10.0	1	11/13/13	11/13/13 13:29	ECM		
n-Butylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
sec-Butylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
tert-Butylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Carbon disulfide	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Carbon tetrachloride	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Chlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Chloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Chloroform	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Chloromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
2-Chlorotoluene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
4-Chlorotoluene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Dibromochloromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Dibromomethane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
1,2-Dichlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
1,3-Dichlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
1,4-Dichlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Dichlorodifluoromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
1,1-Dichloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
1,2-Dichloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
1,1-Dichloroethene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
cis-1,2-Dichloroethene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
trans-1,2-Dichloroethene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
Dichlorofluoromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		
1,2-Dichloropropane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM		

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-03-GW

3111209-04 (Water)

Sample Date: 11/11/13

Analyte	Result	Units	Reporting		Prepared	Analyzed	Analyst	Notes
			Limit	Dilution				
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)								
1,3-Dichloropropane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
2,2-Dichloropropane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
1,1-Dichloropropene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
Diisopropyl ether (DIPE)	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
Ethyl tert-butyl ether (ETBE)	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
Ethylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
Hexachlorobutadiene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
2-Hexanone	ND	ug/L	10.0	1	11/13/13	11/13/13 13:29	ECM	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
4-Isopropyltoluene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
Methyl tert-butyl ether (MTBE)	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
4-Methyl-2-pentanone	ND	ug/L	10.0	1	11/13/13	11/13/13 13:29	ECM	
Methylene chloride	ND	ug/L	10.0	1	11/13/13	11/13/13 13:29	ECM	
Naphthalene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
n-Propylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
Styrene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
Tetrachloroethene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
Toluene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
1,1,1-Trichloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
1,1,2-Trichloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
Trichloroethene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
Trichlorofluoromethane (Freon 11)	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
1,2,3-Trichloropropane	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
Vinyl chloride	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
o-Xylene	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
m- & p-Xylenes	ND	ug/L	5.0	1	11/13/13	11/13/13 13:29	ECM	
Surrogate: 1,2-Dichloroethane-d4		80-120	98 %		11/13/13	11/13/13 13:29		
Surrogate: Toluene-d8		88-110	100 %		11/13/13	11/13/13 13:29		
Surrogate: 4-Bromofluorobenzene		86-115	97 %		11/13/13	11/13/13 13:29		

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-03-GW

3111209-04 (Water)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting		Prepared	Analyzed	Analyst	Notes
			Limit	Dilution				
DIESEL RANGE ORGANICS BY EPA 3510/8015B								
Diesel-Range Organics	ND	mg/L	0.20	1	11/12/13	11/12/13 23:01	CMK	
Surrogate: o-Terphenyl		60-120	74 %		11/12/13	11/12/13 23:01		

Will Brewington, Staff Chemist

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Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-04 (9')

3111209-05 (Soil)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting			Prepared	Analyzed	Analyst	Notes
			Limit	Dilution					
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND	ug/kg dry	12.2	1	11/12/13	11/12/13 18:00	WB		
tert-Amyl alcohol (TAA)	ND	ug/kg dry	61.0	1	11/12/13	11/12/13 18:00	WB		
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Benzene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Bromobenzene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Bromochloromethane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Bromodichloromethane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Bromoform	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Bromomethane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
tert-Butanol (TBA)	ND	ug/kg dry	61.0	1	11/12/13	11/12/13 18:00	WB		
2-Butanone (MEK)	ND	ug/kg dry	12.2	1	11/12/13	11/12/13 18:00	WB		
n-Butylbenzene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
sec-Butylbenzene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
tert-Butylbenzene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Carbon disulfide	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Carbon tetrachloride	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Chlorobenzene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Chloroethane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Chloroform	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Chloromethane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
2-Chlorotoluene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
4-Chlorotoluene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Dibromochloromethane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
1,2-Dibromoethane (EDB)	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Dibromomethane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
1,2-Dichlorobenzene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
1,3-Dichlorobenzene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
1,4-Dichlorobenzene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Dichlorodifluoromethane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
1,1-Dichloroethane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
1,2-Dichloroethane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
1,1-Dichloroethene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
cis-1,2-Dichloroethene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
trans-1,2-Dichloroethene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
Dichlorofluoromethane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		
1,2-Dichloropropane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB		

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-04 (9')

3111209-05 (Soil)

Sample Date: 11/11/13

Analyte	Result	Units	Reporting		Prepared	Analyzed	Analyst	Notes
			Limit	Dilution				
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)								
1,3-Dichloropropane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
2,2-Dichloropropane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
1,1-Dichloropropene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
cis-1,3-Dichloropropene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
trans-1,3-Dichloropropene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
Diisopropyl ether (DIPE)	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
Ethylbenzene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
Hexachlorobutadiene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
2-Hexanone	ND	ug/kg dry	12.2	1	11/12/13	11/12/13 18:00	WB	
Isopropylbenzene (Cumene)	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
4-Isopropyltoluene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
4-Methyl-2-pentanone	ND	ug/kg dry	12.2	1	11/12/13	11/12/13 18:00	WB	
Methylene chloride	ND	ug/kg dry	12.2	1	11/12/13	11/12/13 18:00	WB	
Naphthalene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
n-Propylbenzene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
Styrene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
1,1,1,2,2-Tetrachloroethane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
Tetrachloroethene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
Toluene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
1,2,3-Trichlorobenzene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
1,2,4-Trichlorobenzene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
1,1,1-Trichloroethane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
1,1,2-Trichloroethane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
Trichloroethene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
1,2,3-Trichloropropane	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
1,2,4-Trimethylbenzene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
1,3,5-Trimethylbenzene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
Vinyl chloride	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
o-Xylene	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
m- & p-Xylenes	ND	ug/kg dry	6.1	1	11/12/13	11/12/13 18:00	WB	
Surrogate: 1,2-Dichloroethane-d4		80-120	93 %		11/12/13	11/12/13 18:00		
Surrogate: Toluene-d8		81-117	101 %		11/12/13	11/12/13 18:00		
Surrogate: 4-Bromofluorobenzene		74-121	90 %		11/12/13	11/12/13 18:00		

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-04 (9')

3111209-05 (Soil)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting Limit	Dilution	Prepared	Analyzed	Analyst	Notes
PERCENT SOLIDS								
Percent Solids	82	%		1	11/12/13	11/13/13 08:58	WB	



Will Brewington, Staff Chemist

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-05 (19')

3111209-06 (Soil)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting			Prepared	Analyzed	Analyst	Notes
			Limit	Dilution					
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND	ug/kg dry	13.5	1	11/12/13	11/12/13 18:32	WB		
tert-Amyl alcohol (TAA)	ND	ug/kg dry	67.6	1	11/12/13	11/12/13 18:32	WB		
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Benzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Bromobenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Bromochloromethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Bromodichloromethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Bromoform	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Bromomethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
tert-Butanol (TBA)	ND	ug/kg dry	67.6	1	11/12/13	11/12/13 18:32	WB		
2-Butanone (MEK)	ND	ug/kg dry	13.5	1	11/12/13	11/12/13 18:32	WB		
n-Butylbenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
sec-Butylbenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
tert-Butylbenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Carbon disulfide	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Carbon tetrachloride	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Chlorobenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Chloroethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Chloroform	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Chloromethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
2-Chlorotoluene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
4-Chlorotoluene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Dibromochloromethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
1,2-Dibromoethane (EDB)	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Dibromomethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
1,2-Dichlorobenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
1,3-Dichlorobenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
1,4-Dichlorobenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Dichlorodifluoromethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
1,1-Dichloroethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
1,2-Dichloroethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
1,1-Dichloroethene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
cis-1,2-Dichloroethene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
trans-1,2-Dichloroethene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
Dichlorofluoromethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		
1,2-Dichloropropane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB		

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-05 (19')

3111209-06 (Soil)

Sample Date: 11/11/13

Analyte	Result	Units	Reporting			Analyzed	Analyst	Notes
			Limit	Dilution	Prepared			
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)								
1,3-Dichloropropane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
2,2-Dichloropropane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
1,1-Dichloropropene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
cis-1,3-Dichloropropene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
trans-1,3-Dichloropropene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
Diisopropyl ether (DIPE)	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
Ethylbenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
Hexachlorobutadiene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
2-Hexanone	ND	ug/kg dry	13.5	1	11/12/13	11/12/13 18:32	WB	
Isopropylbenzene (Cumene)	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
4-Isopropyltoluene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
4-Methyl-2-pentanone	ND	ug/kg dry	13.5	1	11/12/13	11/12/13 18:32	WB	
Methylene chloride	ND	ug/kg dry	13.5	1	11/12/13	11/12/13 18:32	WB	
Naphthalene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
n-Propylbenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
Styrene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
Tetrachloroethene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
Toluene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
1,2,3-Trichlorobenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
1,2,4-Trichlorobenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
1,1,1-Trichloroethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
1,1,2-Trichloroethane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
Trichloroethene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
1,2,3-Trichloropropane	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
1,2,4-Trimethylbenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
1,3,5-Trimethylbenzene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
Vinyl chloride	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
o-Xylene	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
m- & p-Xylenes	ND	ug/kg dry	6.8	1	11/12/13	11/12/13 18:32	WB	
Surrogate: 1,2-Dichloroethane-d4		80-120	94 %		11/12/13	11/12/13 18:32		
Surrogate: Toluene-d8		81-117	100 %		11/12/13	11/12/13 18:32		
Surrogate: 4-Bromofluorobenzene		74-121	93 %		11/12/13	11/12/13 18:32		

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-05 (19')

3111209-06 (Soil)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting Limit	Dilution	Prepared	Analyzed	Analyst	Notes
PERCENT SOLIDS								
Percent Solids	74	%		1	11/12/13	11/13/13 08:58	WB	

Will Brewington, Staff Chemist

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-05-GW

3111209-07 (Water)

Sample Date: 11/11/13

Analyte	Result	Units	Reporting			Analyzed	Analyst	Notes
			Limit	Dilution	Prepared			
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)								
Acetone	ND	ug/L	10.0	1	11/13/13	11/13/13 14:09	ECM	
tert-Amyl alcohol (TAA)	ND	ug/L	20.0	1	11/13/13	11/13/13 14:09	ECM	
tert-Amyl methyl ether (TAME)	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Benzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Bromobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Bromochloromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Bromodichloromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Bromoform	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Bromomethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
tert-Butanol (TBA)	ND	ug/L	15.0	1	11/13/13	11/13/13 14:09	ECM	
2-Butanone (MEK)	ND	ug/L	10.0	1	11/13/13	11/13/13 14:09	ECM	
n-Butylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
sec-Butylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
tert-Butylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Carbon disulfide	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Carbon tetrachloride	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Chlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Chloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Chloroform	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Chloromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
2-Chlorotoluene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
4-Chlorotoluene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Dibromochloromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Dibromomethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,2-Dichlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,3-Dichlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,4-Dichlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Dichlorodifluoromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,1-Dichloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,2-Dichloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,1-Dichloroethene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Dichlorofluoromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,2-Dichloropropane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-05-GW

3111209-07 (Water)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting		Prepared	Analyzed	Analyst	Notes
			Limit	Dilution				
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)								
1,3-Dichloropropane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
2,2-Dichloropropane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,1-Dichloropropene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Diisopropyl ether (DIPE)	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Ethyl tert-butyl ether (ETBE)	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Ethylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Hexachlorobutadiene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
2-Hexanone	ND	ug/L	10.0	1	11/13/13	11/13/13 14:09	ECM	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
4-Isopropyltoluene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Methyl tert-butyl ether (MTBE)	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
4-Methyl-2-pentanone	ND	ug/L	10.0	1	11/13/13	11/13/13 14:09	ECM	
Methylene chloride	ND	ug/L	10.0	1	11/13/13	11/13/13 14:09	ECM	
Naphthalene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
n-Propylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Styrene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Tetrachloroethene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Toluene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,1,1-Trichloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,1,2-Trichloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Trichloroethene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Trichlorofluoromethane (Freon 11)	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,2,3-Trichloropropane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Vinyl chloride	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
o-Xylene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
m- & p-Xylenes	ND	ug/L	5.0	1	11/13/13	11/13/13 14:09	ECM	
Surrogate: 1,2-Dichloroethane-d4		80-120	98 %		11/13/13	11/13/13 14:09		
Surrogate: Toluene-d8		88-110	100 %		11/13/13	11/13/13 14:09		
Surrogate: 4-Bromofluorobenzene		86-115	97 %		11/13/13	11/13/13 14:09		

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-06 (18')

3111209-08 (Soil)

Sample Date: 11/11/13

Analyte	Result	Units	Reporting			Prepared	Analyzed	Analyst	Notes
			Limit	Dilution					
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)									
Acetone	ND	ug/kg dry	1450	125	11/13/13	11/13/13 15:29	ECM		
tert-Amyl alcohol (TAA)	ND	ug/kg dry	7270	125	11/13/13	11/13/13 15:29	ECM		
tert-Amyl methyl ether (TAME)	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Benzene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Bromobenzene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Bromochloromethane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Bromodichloromethane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Bromoform	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Bromomethane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
tert-Butanol (TBA)	ND	ug/kg dry	7270	125	11/13/13	11/13/13 15:29	ECM		
2-Butanone (MEK)	ND	ug/kg dry	1450	125	11/13/13	11/13/13 15:29	ECM		
n-Butylbenzene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
sec-Butylbenzene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
tert-Butylbenzene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Carbon disulfide	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Carbon tetrachloride	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Chlorobenzene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Chloroethane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Chloroform	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Chloromethane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
2-Chlorotoluene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
4-Chlorotoluene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Dibromochloromethane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
1,2-Dibromoethane (EDB)	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Dibromomethane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
1,2-Dichlorobenzene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
1,3-Dichlorobenzene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
1,4-Dichlorobenzene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Dichlorodifluoromethane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
1,1-Dichloroethane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
1,2-Dichloroethane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
1,1-Dichloroethene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
cis-1,2-Dichloroethene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
trans-1,2-Dichloroethene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
Dichlorofluoromethane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		
1,2-Dichloropropane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM		

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-06 (18')

3111209-08 (Soil)

Sample Date: 11/11/13

Analyte	Result	Units	Reporting		Prepared	Analyzed	Analyst	Notes
			Limit	Dilution				
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)								
1,3-Dichloropropane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
2,2-Dichloropropane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
1,1-Dichloropropene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
cis-1,3-Dichloropropene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
trans-1,3-Dichloropropene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
Diisopropyl ether (DIPE)	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
Ethyl tert-butyl ether (ETBE)	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
Ethylbenzene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
Hexachlorobutadiene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
2-Hexanone	ND	ug/kg dry	1450	125	11/13/13	11/13/13 15:29	ECM	
Isopropylbenzene (Cumene)	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
4-Isopropyltoluene	1260	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
Methyl tert-butyl ether (MTBE)	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
4-Methyl-2-pentanone	ND	ug/kg dry	1450	125	11/13/13	11/13/13 15:29	ECM	
Methylene chloride	ND	ug/kg dry	1450	125	11/13/13	11/13/13 15:29	ECM	
Naphthalene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
n-Propylbenzene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
Styrene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
1,1,1,2,2-Tetrachloroethane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
Tetrachloroethene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
Toluene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
1,2,3-Trichlorobenzene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
1,2,4-Trichlorobenzene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
1,1,1-Trichloroethane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
1,1,2-Trichloroethane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
Trichloroethene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
Trichlorofluoromethane (Freon 11)	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
1,2,3-Trichloropropane	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
1,2,4-Trimethylbenzene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
1,3,5-Trimethylbenzene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
Vinyl chloride	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
o-Xylene	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
m- & p-Xylenes	ND	ug/kg dry	727	125	11/13/13	11/13/13 15:29	ECM	
Surrogate: 1,2-Dichloroethane-d4		80-120	99 %		11/13/13	11/13/13 15:29		
Surrogate: Toluene-d8		81-117	104 %		11/13/13	11/13/13 15:29		
Surrogate: 4-Bromofluorobenzene		74-121	105 %		11/13/13	11/13/13 15:29		

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

SB-06 (18')

3111209-08 (Soil)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting Limit	Dilution	Prepared	Analyzed	Analyst	Notes
PERCENT SOLIDS								
Percent Solids	86	%		1	11/12/13	11/13/13 08:58	WB	



Will Brewington, Staff Chemist

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Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

FB

3111209-09 (Water)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting			Analyzed	Analyst	Notes
			Limit	Dilution	Prepared			
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS)								
Acetone	ND	ug/L	10.0	1	11/13/13	11/13/13 14:49	ECM	
tert-Amyl alcohol (TAA)	ND	ug/L	20.0	1	11/13/13	11/13/13 14:49	ECM	
tert-Amyl methyl ether (TAME)	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Benzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Bromobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Bromochloromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Bromodichloromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Bromoform	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Bromomethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
tert-Butanol (TBA)	ND	ug/L	15.0	1	11/13/13	11/13/13 14:49	ECM	
2-Butanone (MEK)	ND	ug/L	10.0	1	11/13/13	11/13/13 14:49	ECM	
n-Butylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
sec-Butylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
tert-Butylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Carbon disulfide	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Carbon tetrachloride	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Chlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Chloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Chloroform	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Chloromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
2-Chlorotoluene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
4-Chlorotoluene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Dibromochloromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Dibromomethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,2-Dichlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,3-Dichlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,4-Dichlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Dichlorodifluoromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,1-Dichloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,2-Dichloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,1-Dichloroethene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Dichlorofluoromethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,2-Dichloropropane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

FB

3111209-09 (Water)
Sample Date: 11/11/13

Analyte	Result	Units	Reporting		Prepared	Analyzed	Analyst	Notes
			Limit	Dilution				
VOLATILE ORGANICS BY EPA METHOD 8260B (GC/MS) (continued)								
1,3-Dichloropropane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
2,2-Dichloropropane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,1-Dichloropropene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Diisopropyl ether (DIPE)	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Ethyl tert-butyl ether (ETBE)	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Ethylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Hexachlorobutadiene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
2-Hexanone	ND	ug/L	10.0	1	11/13/13	11/13/13 14:49	ECM	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
4-Isopropyltoluene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Methyl tert-butyl ether (MTBE)	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
4-Methyl-2-pentanone	ND	ug/L	10.0	1	11/13/13	11/13/13 14:49	ECM	
Methylene chloride	ND	ug/L	10.0	1	11/13/13	11/13/13 14:49	ECM	
Naphthalene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
n-Propylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Styrene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Tetrachloroethene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Toluene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,1,1-Trichloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,1,2-Trichloroethane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Trichloroethene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Trichlorofluoromethane (Freon 11)	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,2,3-Trichloropropane	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Vinyl chloride	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
o-Xylene	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
m- & p-Xylenes	ND	ug/L	5.0	1	11/13/13	11/13/13 14:49	ECM	
Surrogate: 1,2-Dichloroethane-d4		80-120	100 %		11/13/13	11/13/13 14:49		
Surrogate: Toluene-d8		88-110	100 %		11/13/13	11/13/13 14:49		
Surrogate: 4-Bromofluorobenzene		86-115	97 %		11/13/13	11/13/13 14:49		

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Will Brewington, Staff Chemist

Analytical Results

Project: FORMER FREDERICK NEW POST PROPERTY

Project Number: CG-13-0900
Project Manager: Kevin Howard

Reported:
11/14/13 15:16

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

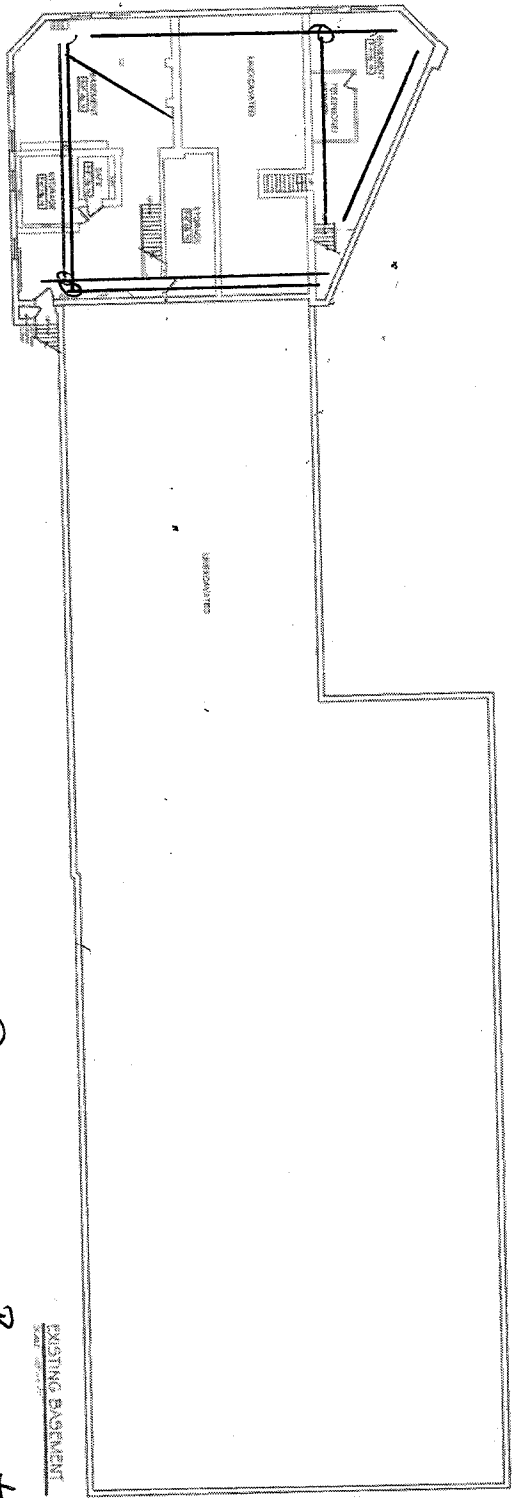


Will Brewington, Staff Chemist

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ATTACHMENT C
ACBM MARKUPS OF BUILDING DRAWINGS

Building 1



ALL Pipe Insulation and Fitting
are asbestos

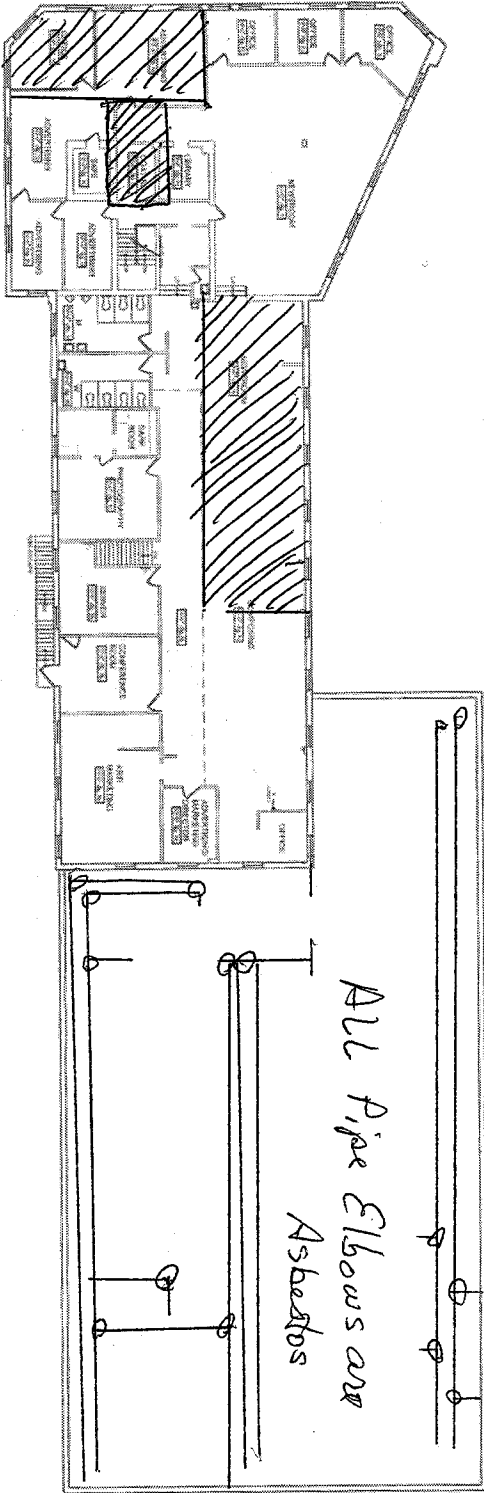
Basement

BUILDING AREA	2,200 S.F.
BASEMENT	16,300 S.F.
FIRST FLOOR	1,600 S.F.
LOFT	7,500 S.F.
SECOND FLOOR	7,500 S.F.
TOTAL	32,100 S.F.

SHEET NUMBER A0	City Frederick News-Journal	DARIO DESIGNS ARCHITECTURE DESIGN PLUMBING CONSTRUCTION	1000 W. MARKET STREET FREDERICK, MD 21702 TEL: 301-641-1111 FAX: 301-641-1112		DATE: 10/1/07 DRAWN: JLD BY: JLD SCALE: 1/4" = 1'-0"	SHEET TITLE EXISTING BASEMENT FLOOR PLAN	PROJECT NO. 07-001
						DATE: 10/1/07 DRAWN: JLD BY: JLD SCALE: 1/4" = 1'-0"	PROJECT NO. 07-001

Building 1 & 2, 3

1st Floor Only



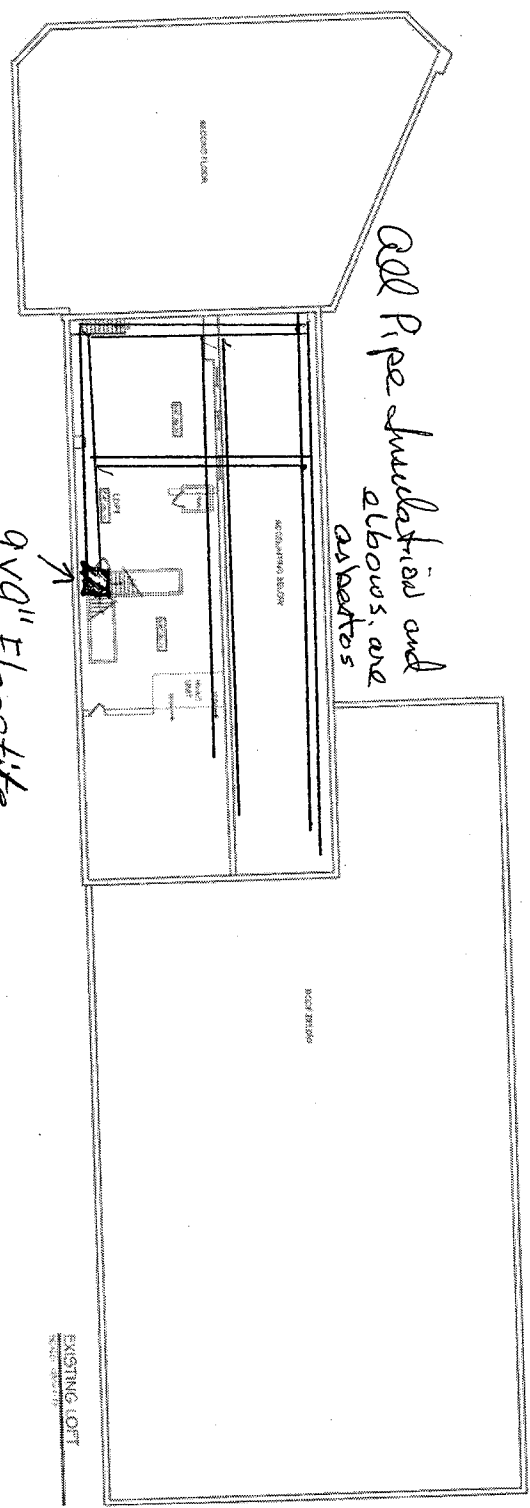
- Very little flooring only is asbestos, rest the plastic

1st Floor
ASBESTOS

* Pipe Insulation & Elbows are asbestos wherever found in building 1 & 2

FOLLOWING AREAS	
BASEMENT	2,200 S.F.
FIRST FLOOR	14,300 S.F.
LOFT	1,500 S.F.
SECOND FLOOR	7,500 S.F.
TOTAL	27,500 S.F.

Building 2 Loft



All Pipe Installation and elbows are asbestos

9x9" Floor tile Asbestos (Shown on good floor sketch as well)

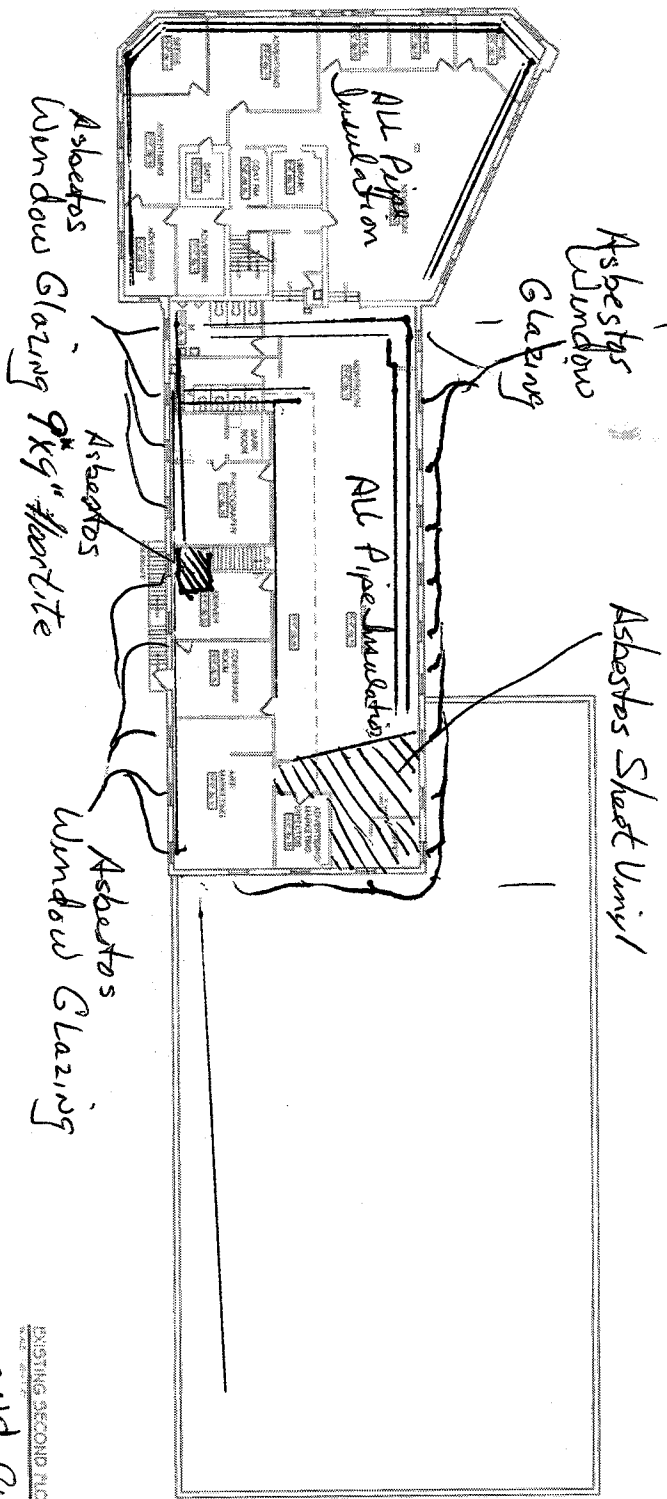
BUILDING AREA	2,200 S.F.
BASEMENT	16,300 S.F.
FIRST FLOOR	1,800 S.F.
LOFT	1,800 S.F.
SECOND FLOOR	7,200 S.F.
TOTAL	27,600 S.F.

A2	The Frederick News-Post	DARIO DESIGNS ARCHITECTURE INTERIOR PLANNING CONSULTING	205 W. 10th St Minneapolis, MN 55401 TEL: 612-467-1000 FAX: 612-467-1001		SHEET TITLE EXISTING LOFT PLAN	DATE 10/20/09
					DRAWN BY J. J. J.	CHECKED BY J. J. J.

Building 1

Building 2

Building 3



EXISTING SECOND FLOOR
2nd Floor

BUILDING AREA	
BASEMENT	2,200 S.F.
FIRST FLOOR	16,300 S.F.
LOFT	1,900 S.F.
SECOND FLOOR	7,900 S.F.
TOTAL	27,900 S.F.

ATTACHMENT D
LABORATORY ANALYTICAL REPORT –
HAZARDOUS MATERIALS SURVEY

**EMSL Analytical, Inc.**

10768 Baltimore Avenue, Beltsville, MD 20705

Phone/Fax: (301) 937-5700 / (301) 937-5701

<http://www.EMSL.com>beltsvillelab@emsl.com

EMSL Order: 191311112

CustomerID: CTGR63

CustomerPO: C13-1579

ProjectID:

Attn: **Guy Campion**
Ctgroup Environmental, LLC
375 Broadview Lane
Annapolis, MD 21401

Phone: (443) 398-0955
 Fax:
 Received: 11/14/13 2:30 PM
 Analysis Date: 11/15/2013
 Collected: 11/13/2013

Project: C13-1579 PATRICK ST.

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1579-1 191311112-0001	BLDG 1 OUTSIDE WINDOW GLAZING	Gray/White/Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
1579-2 191311112-0002	BLDG 1 OUTSIDE WINDOW GLAZING	Gray/White/Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
1579-3 191311112-0003	BLDG 1 BSMT ENTRY STAIR SMOOTH COAT PLASTER	White/Green/Beige Fibrous Homogeneous	2% Hair	40% Quartz 5% Mica 53% Non-fibrous (other)	None Detected
1579-4-Sheet Vinyl Flooring 191311112-0004	BLDG 1 1ST FL VINYL FLOOR STORE RM OFF LOBBY/MAS.	Brown/Gray/Beige Fibrous Homogeneous	15% Cellulose	25% Ca Carbonate 50% Non-fibrous (other)	25% Chrysotile
1579-4-Mastic 191311112-0004A	BLDG 1 1ST FL VINYL FLOOR STORE RM OFF LOBBY/MAS.	Brown/Gray/Yellow Fibrous Homogeneous	10% Cellulose 5% Synthetic	85% Non-fibrous (other)	None Detected
1579-5-Sheet Vinyl Flooring 191311112-0005	BLDG 1 1ST FL VINYL FL FRONT OFFICE/MASTIC	Gray/Tan/Beige Fibrous Homogeneous	15% Cellulose	20% Ca Carbonate 30% Non-fibrous (other)	35% Chrysotile
1579-5-Mastic 191311112-0005A	BLDG 1 1ST FL VINYL FL FRONT OFFICE/MASTIC	Gray/Yellow Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

Analyst(s)

George Malone (35)

Joe Centifonti, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Beltsville, MD NVLAP Lab Code 200293-0

Initial report from 11/15/2013 06:13:26

**EMSL Analytical, Inc.**

10768 Baltimore Avenue, Beltsville, MD 20705

Phone/Fax: (301) 937-5700 / (301) 937-5701

<http://www.EMSL.com>beltsvillelab@emsl.com

EMSL Order: 191311112

CustomerID: CTGR63

CustomerPO: C13-1579

ProjectID:

Attn: **Guy Campion**
Ctgroup Environmental, LLC
375 Broadview Lane
Annapolis, MD 21401

Phone: (443) 398-0955
 Fax:
 Received: 11/14/13 2:30 PM
 Analysis Date: 11/15/2013
 Collected: 11/13/2013

Project: C13-1579 PATRICK ST.

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1579-5-Bottom Felt Backing 191311112-0005B	BLDG 1 1ST FL VINYL FL FRONT OFFICE/MASTIC	Brown/Black	60% Cellulose	25% Non-fibrous (other)	None Detected
		Fibrous	15% Synthetic		
		Homogeneous			
1579-5-Mastic on Bottom of Felt Backing 191311112-0005C	BLDG 1 1ST FL VINYL FL FRONT OFFICE/MASTIC	Brown/Black	25% Cellulose	75% Non-fibrous (other)	None Detected
		Fibrous			
		Homogeneous			
1579-6 191311112-0006	BLDG 1 2ND FL WALL PLASTER SMOOTH COAT	Gray/White/Green		45% Quartz	None Detected
		Non-Fibrous		5% Mica	
		Homogeneous		50% Non-fibrous (other)	
1579-7 191311112-0007	BLDG 1 2ND FL 2X4 DCT	Brown/Gray/White	20% Glass	10% Mica	None Detected
		Fibrous	30% Cellulose	30% Perlite	
		Homogeneous		10% Non-fibrous (other)	
1579-8-Floor Tile 191311112-0008	BLDG 2 1/2 FL STORAGE AREA LANDING 9X9 FT W/MAS.	Gray/Black		50% Ca Carbonate	8% Chrysotile
		Fibrous		42% Non-fibrous (other)	
		Homogeneous			
1579-8-Mastic 191311112-0008A	BLDG 2 1/2 FL STORAGE AREA LANDING 9X9 FT W/MAS.	Brown/Black	35% Cellulose	65% Non-fibrous (other)	None Detected
		Fibrous			
		Heterogeneous			
1579-9 191311112-0009	BLDG 2 1/2 FL STORAGE PIPE INS.	Brown/Gray/Cream	30% Cellulose	20% Non-fibrous (other)	50% Chrysotile
		Fibrous			
		Homogeneous			

Analyst(s)

George Malone (35)

Joe Centifonti, Laboratory Manager
or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Beltsville, MD NVLAP Lab Code 200293-0

Initial report from 11/15/2013 06:13:26

**EMSL Analytical, Inc.**

10768 Baltimore Avenue, Beltsville, MD 20705

Phone/Fax: (301) 937-5700 / (301) 937-5701

<http://www.EMSL.com>beltsvillelab@emsl.com

EMSL Order: 191311112

CustomerID: CTGR63

CustomerPO: C13-1579

ProjectID:

Attn: **Guy Campion**
Ctgroup Environmental, LLC
375 Broadview Lane
Annapolis, MD 21401

Phone: (443) 398-0955
 Fax:
 Received: 11/14/13 2:30 PM
 Analysis Date: 11/15/2013
 Collected: 11/13/2013

Project: **C13-1579 PATRICK ST.**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1579-10 191311112-0010	BLDG 2 2ND FL WINDOW GLAZING	Gray/White/Green Fibrous Homogeneous	5% Cellulose	88% Non-fibrous (other)	7% Chrysotile
1579-11-Floor Tile 191311112-0011	BLDG 2 2ND FL 12X12 FT W/MASTIC OVER CONCRETE	Gray/Tan/Cream Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (other)	None Detected
1579-11-Mastic 191311112-0011A	BLDG 2 2ND FL 12X12 FT W/MASTIC OVER CONCRETE	Red/Black Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
1579-12 191311112-0012	BLDG 2 2ND FL WALL PLASTER SMOOTH COAT	Gray/White/Beige Fibrous Homogeneous	3% Cellulose	20% Quartz 77% Non-fibrous (other)	None Detected
1579-13-Underlayment 191311112-0013	BLDG 2 2ND FL UNDERLAYMENT	Brown/Gray Fibrous Heterogeneous	35% Cellulose	65% Non-fibrous (other)	None Detected
1579-13-Mastic 191311112-0013A	BLDG 2 2ND FL UNDERLAYMENT	Gray/Tan Fibrous Homogeneous	20% Cellulose 5% Synthetic	75% Non-fibrous (other)	None Detected
1579-13-Bottom Felt Backing 191311112-0013B	BLDG 2 2ND FL UNDERLAYMENT	Brown/Gray Fibrous Homogeneous	65% Cellulose 10% Hair 10% Synthetic	15% Non-fibrous (other)	None Detected

Analyst(s)

George Malone (35)

Joe Centifonti, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Beltsville, MD NVLAP Lab Code 200293-0

Initial report from 11/15/2013 06:13:26

**EMSL Analytical, Inc.**

10768 Baltimore Avenue, Beltsville, MD 20705

Phone/Fax: (301) 937-5700 / (301) 937-5701

<http://www.EMSL.com>beltsvillelab@emsl.com

EMSL Order: 191311112

CustomerID: CTGR63

CustomerPO: C13-1579

ProjectID:

Attn: **Guy Campion**
Ctgroup Environmental, LLC
375 Broadview Lane
Annapolis, MD 21401

Phone: (443) 398-0955
 Fax:
 Received: 11/14/13 2:30 PM
 Analysis Date: 11/15/2013
 Collected: 11/13/2013

Project: C13-1579 PATRICK ST.

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos	
			% Fibrous	% Non-Fibrous	% Type	
1579-14-Sheet Vinyl Flooring 191311112-0014	BLDG 2 2ND FL SHEET VINYL WHT. & GRAY	Gray/Beige/Cream	25%	Cellulose	15% Ca Carbonate	None Detected
		Fibrous	20%	Synthetic	30% Non-fibrous (other)	
		Homogeneous	10%	Glass		
1579-14-Mastic 191311112-0014A	BLDG 2 2ND FL SHEET VINYL WHT. & GRAY	Brown/Gray	20%	Cellulose	65% Non-fibrous (other)	None Detected
		Fibrous	10%	Synthetic		
		Homogeneous	5%	Glass		
1579-15-Floor Tile 191311112-0015	BLDG 2 2ND FL 12X12 FT GRAY YELLOW MASTIC	Gray			60% Ca Carbonate	None Detected
		Non-Fibrous Homogeneous			40% Non-fibrous (other)	
1579-15-Mastic 191311112-0015A	BLDG 2 2ND FL 12X12 FT GRAY YELLOW MASTIC	Brown/Yellow	3%	Cellulose	97% Non-fibrous (other)	None Detected
		Fibrous				
		Homogeneous				
1579-16 191311112-0016	BLDG 2 2ND FL WALL PLASTER TOP COAT	White/Green			25% Mica	None Detected
		Non-Fibrous			75% Non-fibrous (other)	
		Homogeneous				
1579-17-Floor Tile 191311112-0017	BLDG 2 1ST FL 12X12 FT GRAY TEAR SHEET RM	Gray			60% Ca Carbonate	None Detected
		Non-Fibrous			40% Non-fibrous (other)	
		Homogeneous				
1579-17-Mastic 191311112-0017A	BLDG 2 1ST FL 12X12 FT GRAY TEAR SHEET RM	Gray/Tan/Yellow	7%	Cellulose	90% Non-fibrous (other)	None Detected
		Non-Fibrous	3%	Synthetic		
		Homogeneous				
1579-18 191311112-0018	BLDG 2 OUTSIDE WINDOW GLAZING	Gray/White/Green	3%	Cellulose	97% Non-fibrous (other)	None Detected
		Fibrous				
		Homogeneous				

Analyst(s)

George Malone (35)

Joe Centifonti, Laboratory Manager
or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Beltsville, MD NVLAP Lab Code 200293-0

Initial report from 11/15/2013 06:13:26

**EMSL Analytical, Inc.**

10768 Baltimore Avenue, Beltsville, MD 20705

Phone/Fax: (301) 937-5700 / (301) 937-5701

<http://www.EMSL.com>beltsvillelab@emsl.com

EMSL Order: 191311112

CustomerID: CTGR63

CustomerPO: C13-1579

ProjectID:

Attn: **Guy Campion**
Ctgroup Environmental, LLC
375 Broadview Lane
Annapolis, MD 21401

Phone: (443) 398-0955
 Fax:
 Received: 11/14/13 2:30 PM
 Analysis Date: 11/15/2013
 Collected: 11/13/2013

Project: **C13-1579 PATRICK ST.**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1579-19-Floor Tile 191311112-0019	BLDG 1 2ND FL STAIRWELL 12X12 FT GRAY	Gray Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (other)	None Detected
1579-19-Mastic 191311112-0019A	BLDG 1 2ND FL STAIRWELL 12X12 FT GRAY	Brown/Gray/Yellow Fibrous Homogeneous	2% Cellulose 3% Synthetic	95% Non-fibrous (other)	None Detected
1579-20 191311112-0020	BLDG 1 2ND FL UNDERLAYMENT TO #19	Brown/Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
Underlayment only - no mastic.					
1579-21 191311112-0021	BLDG 3 ELBOWS	Gray/Cream Fibrous Homogeneous		30% Ca Carbonate 0% Non-fibrous (other)	70% Chrysotile
1579-22 191311112-0022	BLDG 3 ELBOWS	Gray/Cream Fibrous Homogeneous		35% Ca Carbonate 0% Non-fibrous (other)	65% Chrysotile
1579-23 191311112-0023	BLDG 2 12X12 SPLINT CEILING TILE	Brown/Tan Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected

Analyst(s)

George Malone (35)Joe Centifonti, Laboratory Manager
or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Beltsville, MD NVLAP Lab Code 200293-0

Initial report from 11/15/2013 06:13:26



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

19131112

EMSL ANALYTICAL, INC.
10768 BALTIMORE AVE
BELTSVILLE, MD 20705

PHONE: (301) 937-5700
FAX: (301) 937-5701

Company: <u>Ct group Environmental</u>		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <u>375 Broadview Ln</u>		Third Party Billing requires written authorization from third party	
City: <u>Annapolis</u>	State/Province: <u>MD</u>	Zip/Postal Code: <u>21401</u>	Country: <u>US</u>
Report To (Name): <u>Guy Champion</u>		Telephone #: <u>443-398-0955</u>	
Email Address: <u>quyc@ctgroupenvironmental.com</u>		Fax #:	Purchase Order: <u>C13-1579</u>
Project Name/Number: <u>C13-1579, Patrick st</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: <u>MD</u>		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

3 Hour
 6 Hour
 24 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)
PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm

Samplers Name: BRANDON CAMPION Samplers Signature: Brandon Champion

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1579-1	Bldg 1 - OUTSIDE - Window Glazing		Nov 8 2013
1579-2	Bldg 1 - OUTSIDE - Window GLAZING		Nov 8 2013
1579-3	Bldg 1 - Basement Entry Stairs - Smooth Coat Plaster		Nov 8 2013
1579-4	Bldg 1 - 1 st flr Vinyl floor - Stone Room & Lobby/mastic		Nov 8 2013
1579-5	Bldg 1 - 1 st floor Vinyl floor front office/mastic		Nov 8 2013
1579-6	Bldg 1 - 2 nd floor - wall Plaster - Smooth Coat		Nov 8 2013
1579-7	Bldg 1 - 2 nd floor - 2x4 DCT		Nov 8 2013
1579-8	Bldg 2 - 1/2 floor Storage Area - landing 9x9 w/mastic		Nov 8 2013

Client Sample # (s): 1579-1 Total # of Samples:

Relinquished (Client): Guy Champion Date: 14 Nov 2013 Time: 1:30 -

Received (Lab): EQ Wilk Date: 11/14/13 Time: 2:30pm

Comments/Special Instructions:



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1579-9	Bldg 2 - 1/2 floor Storage Pipe Insulation		Nov 8 2013
1579-10	Bldg 2 - 2 nd floor Window Glazing		Nov 8 2013
1579-11	Bldg 2 - 2 nd floor - 12X12 FT w/ Mastic over concrete		Nov 8 2013
1579-12	Bldg 2 - 2 nd floor - Wall Plaster Smooth Coat		Nov 8 2013
1579-13	Bldg 2 - 2 nd floor - Underlayment		Nov 8 2013
1579-14	Bldg 2 - 2 nd floor - Sheet Vinyl white & Gray		Nov 8 2013
1579-15	Bldg 2 - 2 nd floor - 12 X 12 FT Gray-yellow Mastic		Nov 8 2013
1579-16	Bldg 2 - 2 nd floor Wall Plaster Top Coat		Nov 8 2013
1579-17	Bldg 2 1 st floor 12X12 FT Gray Teak Sheet Rm		Nov 13 -
1579-18	Bldg 2 Outside Window Glazing		Nov 13 -
1579-19	Bldg 1 - 2 nd floor - stairwell 12X12 FT Gray		Nov 13
1579-20	Bldg 1 - 2 nd floor - Underlayment to #19		Nov 13
1579-21	Bldg 3 - Elbows -		Nov 13
1579-22	Bldg 3 - Elbows		Nov 13
1579-23	Bldg 2 - 12X12 Spline Ceiling Tile		
*Comments/Special Instructions:			



EMSL Analytical, Inc.

10768 Baltimore Avenue, Beltsville, MD 20705

Phone/Fax: (301) 937-5700 / (301) 937-5701

<http://www.EMSL.com>

beltsvillelab@emsl.com

EMSL Order:	191311111
CustomerID:	CTGR63
CustomerPO:	C13-1579
ProjectID:	

Attn: **Guy Campion**
Ctgroup Environmental, LLC
375 Broadview Lane
Annapolis, MD 21401

Phone: (443) 398-0955
 Fax:
 Received: 11/14/13 2:30 PM
 Collected: 11/13/2013

Project: **C13-1579 PATRICK ST**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
PB1579-1 Site: BLDG 1 EXT WINDOWS - GRN	0008	11/13/2013	11/15/2013	3.9 % wt
PB1579-2 Site: BLDG 1 2ND FL - DK BLUE - TRIM	0009	11/13/2013	11/15/2013	0.28 % wt
PB1579-3 Site: BLDG 1 2ND FL - LT BLUE - WALLS	0010	11/13/2013	11/15/2013	0.14 % wt
PB1579-4 Site: BLDG 1 2ND FL - GRN WALL	0011	11/13/2013	11/15/2013	2.7 % wt
PB1579-5 Site: BLDG 1 2ND FL - BRN WINDOWS	0012	11/13/2013	11/15/2013	3.1 % wt
PB1579-6 Site: BLDG 2 - 2ND FL - WALL PAINT - GRAY	0013	11/13/2013	11/15/2013	0.22 % wt
PB1579-7 Site: TANNERY BLDG - EXT - WHITE	0014	11/13/2013	11/15/2013	0.65 % wt

Joe Centifonti, Laboratory Manager
or other approved signatory

Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. The QC data associated with these results included in this report meet the method QC requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. * slight modifications to methods applied. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request.
 Samples analyzed by EMSL Analytical, Inc. Beltsville, MD A2LA Accredited Environmental Testing Cert #2845.02

Initial report from 11/18/2013 15:59:32



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

19131111

EMSL ANALYTICAL, INC.
10768 BALTIMORE AVE
BELTSVILLE, MD 20705
PHONE: (301)937-5700
FAX: (301) 937-5701

Company: <i>Ctgroup Env</i>		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <i>375 Broadview Lane</i>		Third Party Billing requires written authorization from third party	
City: <i>ANNAPOLIS</i>	State/Province: <i>MD</i>	Zip/Postal Code: <i>21401</i>	Country: <i>US</i>
Report To (Name): <i>Guy Champion</i>		Telephone #: <i>443 398 0955</i>	
Email Address: <i>guy@ctgroupenv.com</i>		Fax #:	Purchase Order: <i>C13-1579</i>
Project Name/Number: <i>C13-1579 Patrick Str</i>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: <i>US MD</i>		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

3 Hour
 6 Hour
 24 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips <input checked="" type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%	<input type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	<input type="checkbox"/>
Wipe* ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	<input type="checkbox"/>
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Name of Sampler:

Signature of Sampler:

Sample #	Location	Volume/Area	Date/Time Sampled
<i>Pb 1579-1</i>	<i>Bldg 1 Exterior Windows - Green</i>		<i>13 Nov</i>
<i>Pb 1579-2</i>	<i>Bldg 1 2nd floor - Dark Blue - Trim</i>		<i>13 Nov</i>
<i>Pb 1579-3</i>	<i>Bldg 1 2nd floor Light Blue Walls</i>		<i>13 Nov</i>
<i>Pb 1579-4</i>	<i>Bldg 1 2nd floor Green Wall</i>		<i>13 Nov</i>
<i>Pb 1579-5</i>	<i>Bldg 1 2nd floor Brown Windows</i>		<i>13 Nov</i>

Client Sample #'s

Total # of Samples:

Relinquished (Client): <i>Guy Champion</i>	Date: <i>14 Nov 2013</i>	Time: <i>1:50</i>
Received (Lab): <i>J. Howard Waller</i>	Date: <i>11/14/13</i>	Time: <i>2:30 pm</i>
Comments: <i>Pb 1579-6 Bldg 2 - 2nd floor Wall Paint Gray</i> <i>Pb 1579-7 Tannery Bldg Exterior White</i>		

**ATTACHMENT E
PHOTOGRAPHS –
HAZARDOUS MATERIALS SURVEY**

Asbestos Survey Photographic Representation

200 E Patrick Street, Frederick

November 15, 2013



Building 1 Fronting E. Patrick



Building 2 Center portion



Building 3 Rear production area



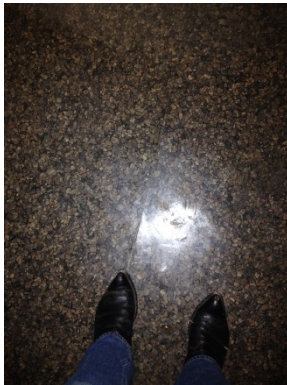
View of asbestos pipe in building 1



View of asbestos pipe in building 2.



View of asbestos pipe joints Building 3



View Asbestos vinyl sheet flooring that is asbestos Building 1 & 2



View plaster layers, NOT asbestos.



View of 9'x9' asbestos tile.



View of layers of flooring in Building 1 2nd Floor (NOT asbestos)



View of Building 2 2nd level



View of spline ceiling tiles NOT asbestos.

Paint Chip Survey Photographic Representation

200 E Patrick Street, Frederick

December 2, 2013



Building 1 Fronting E. Patrick



Building 2 Center portion



Tannery Out Building



View of exterior green paint on Bldg 1



View of exterior green paint on Bldg 1



View blue and yellow paint in bldg 1 leading to basement



View exterior white leaded paint on tannery building



View exterior windows on bldg. 2 same as building 1. Interior color is brown.



View of peeling white paint.



View of base layers of paint behind radiators



View building 2 white walls

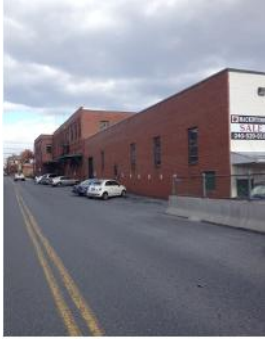


View of radiators

Universal Waste Photographic Representation

200 E Patrick Street, Frederick

November 15, 2013



Building 3 Production Warehouse



Building 3 Florescent Light Ballast



Building 3 Rear production area



Miscellaneous Chemicals



Miscellaneous Chemicals



Miscellaneous Chemicals



Miscellaneous Chemicals



Miscellaneous Chemicals



Miscellaneous Chemicals



Miscellaneous Chemicals



Miscellaneous Chemicals



Miscellaneous Chemicals