PBS

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PCB ABATEMENT CLOSEOUT SUMMARY REPORT

SKY VALLEY EDUCATION CENTER
351 Short Columbia Street
Monroe, Washington

June – September 2016

Prepared for:

Monroe School District
200 East Fremont Street
Monroe, WA 98272

October 2016
PBS Project # 41373.000

Bandon | Bend | Boise | Eugene | Portland | Seattle | Tri-Cities | Vancouver

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SKY VALLEY EDUCATION CENTER
SUMMARY OF PCB ABATEMENT ACTIVITIES

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TAB 1
Project Summary

Removal of hazardous materials including PCB-containing caulking, asbestos-containing caulking, PCB-contaminated light fixtures and mercury-containing light tubes was performed at Sky Valley Education Center located at 351 Short Columbia Street, Monroe, Washington. The hazardous materials abatement activities were performed in the Administration, Annex, Gymnasium, Classroom Pod/Library, and the Technology Buildings during summer 2016.

NorthStar of Issaquah, Washington was sub-contracted by the Monroe School District to perform removal and disposal of the PCB-containing materials and mercury-containing materials associated with this project. All abatement work was performed in accordance with the project specifications and drawings.

PCB removal notifications were submitted to the Environmental Protection Agency (EPA) Region 10 by the Monroe School District.

PBS Engineering + Environmental, Inc. (PBS) was retained by the Monroe School District to prepare project specifications and drawings, conduct air monitoring, contractor observation and project documentation for the Sky Valley Education Center hazardous materials abatement project. PBS monitored the abatement and related operations, from July 26 – September 9, 2016. A project specification and abatement plans were prepared by PBS AHERA Project Designer, Gregg Middaugh. See Tab 2 for project specifications and abatement drawings showing the building areas where hazardous materials were removed during this project.

The intent of this project was to remove all caulking throughout the campus that contained 50 parts per million PCBs or greater. Some of that caulking was also found to contain asbestos. The project also included the removal of fluorescent light fixtures that had been contaminated from leaking PCB-containing ballasts.

The overall abatement process included removal of all interior caulking inside isolated negative pressure enclosures. All exterior caulking removal was performed inside non-isolated regulated areas.

Cel Alvarez was the PBS Industrial Hygienist who performed the onsite air monitoring, contractor observation and project documentation throughout the abatement portions of the project on behalf of the Monroe School District. The attached PBS Field Observation Reports, located at Tab 3, provides daily observations of the abatement and other related activities.

Accessible PCB-containing caulking was removed from the following areas of the Gymnasium, Pod/Library, Administration, Annex and Technology Buildings:

Gymnasium

- PCB-containing caulking located on the exterior and interior metal window frame on the Girls Locker Room North Perimeter window – 44 linear feet (lf),
- PCB-containing caulking on the exterior metal window frames on all windows at the south and west elevation of the large gym building. This includes caulking that exists around each window infill panel metal frame transition on the west elevation. These window infill panels are constructed of cement asbestos board – 205 lf,
- PCB-containing caulking located on interior side of the three lower window and the upper window bank east vertical in the gathering place as shown -106 lf,
- PCB-containing caulking of interior window frame verticals in the CTE Room – 9 lf,
- PCB-containing caulking on interior side of North exterior Girl's Locker Entry Door – 18 lf,
- PCB-containing caulking on exterior side of North CTE Entry door-18 lf,
- PCB-containing caulking on the interior side of the Northwest perimeter entry door frame of the small gym – 18 lf,
- PCB-containing caulking located on all vertical structural metal column transitions throughout the east elevation of the large gym. This includes the removal of all caulking on the interior demising wall metal beams (vertical and horizontal) between the daycare and the gathering place/cafeteria. The caulking is heavily painted throughout the work scope area – 352 lf,
- PCB-containing caulking located on all exterior vertical structural metal column transitions throughout the lower west and south elevations of the large gym building – 526 lf.

Pod/Library Building

- PCB-containing caulking located on interior perimeter metal window frame to brick transition verticals on each of Classrooms #1 through #20 – 400 lf,
- PCB-containing caulking on the interior and exterior sides of the cement asbestos board (CAB) window infill panels. Caulking remains behind the unit ventilators in each of the twenty Pod Classrooms. The caulking fills the gap between the metal window frame and CAB transition in each of Classrooms #1 through #20 – 1,040 lf.

Administration Building

- PCB-containing caulking located on all interior metal window sill transitions and all exterior metal window frame transitions throughout the Administration Building – 410 lf,
- PCB-containing caulking located on all exterior vertical structural metal beam transitions throughout the Administration Building – 175 lf.

Annex Building

- PCB-containing caulking located on the interior perimeter metal window frame transition. This includes removal of caulking which exists on exterior metal window frame transitions on the North and South building elevation windows – 141 lf,
- PCB-containing caulking on wood ceiling/soffit beams at perimeter wall/ceiling transition in Rooms E, F and Prep Room F – 36 lf,
- PCB-containing and asbestos-containing tan caulking located on various vertical and horizontal metal window frame transitions on the North and South elevations of the Annex Building – 490 lf,

Technology Building

- PCB-containing caulking located on exterior louvers, exhaust vents and exhaust ducting on metal transitions on the west and east exterior elevations of the Technology Building – 50 lf.

Fluorescent light fixtures in various areas throughout the campus had been contaminated by previously leaking PCB-containing ballasts. The work scope included removal of all older fluorescent light fixtures that may have potentially contained these PCB-containing ballasts. Northstar removed all fluorescent light fixtures from the Annex Building, Pod/Library Building, Gymnasium Building Gathering Place and Locker Rooms and from portions of the Technology Building. The removal process included wrapping each fixture in polyethylene sheeting and duct tape, unfastening the fixtures from the ceiling and then packaging the fixtures in 55-gallon drums for transport to a disposal site.

PBS documented a total of 669 mercury-containing light tubes removed by Northstar from the Sky Valley Education Center campus.

Clearance Activities

Post abatement clearance testing was conducted by PBS in each area (i.e. regulated area) where PCB-containing caulk and fluorescent light fixture removal was performed. Clearance testing included collecting representative air, surface wipe and soil samples, as appropriate for each location. Representative surface wipe and air samples were collected from each interior regulated areas. Representative surface wipes or soil samples were collected from each exterior regulated area depending on the surface beneath (i.e. soils or asphalt/concrete) the abated material. Laboratory reports and field drawings showing samples locations for all air, wipe and soil samples are provided in Tabs 4, 5 and 6, respectively. If an area failed to meet the clearance criteria the contractor was required to perform additional cleaning and the area was retested until the criteria was met.

Final clearance samples for each regulated area met the established clearance criteria and were in accordance with EPA guidelines and the Washington Model Toxics Control Act (MTCA - WAC 173-340) cleanup criteria (soils) for unrestricted land use.

- EPA PCB Air Clearance Criteria – 100 nanograms per cubic meter (ng/m^3)
- EPA PCB Surface Wipe Clearance Criteria – 10 micrograms (μg) per 100 square centimeters (cm^2)
- Washington PCB Soil Clearance Criteria – 1 part per million (ppm)

PCB-containing caulk sealed the gap between the window inset panels and the metal window framing of the classroom pod building. The window inset panels are constructed of cement asbestos. Scraping the caulk from the window inset panel/framing caused minor damage to the asbestos-containing material. These activities were conducted by Northstar inside an isolated regulated area. PBS performed asbestos clearance air testing in each of the regulated areas in the Classroom Pod/Library Building in accordance with 40 CFR Part 763 AHERA. See Tab 7 for laboratory data sheets and field drawings depicting sample locations.

- Asbestos Air Clearance Criteria – 0.01 fibers per cubic centimeter (f/cc)

Final asbestos clearance samples for each regulated area met the established clearance criteria in accordance with 40 CFR Part 763 AHERA.

Sample Collection and Laboratory Analysis

The following is a description of the air, surface and soil sample collection and analysis process.

PCB Air Samples

PBS collected post abatement air samples using the Low Volume Polyurethane Foam Sampling Method. This method uses a vacuum pump with a glass tube that is fitted with a polyurethane foam (PUF) plug and no pre-filter. The PUF tube was pre-assembled and provided by the laboratory. Post abatement samples were collected in each interior regulated area after PCB abatement and handling activities were completed. The air pump is calibrated before and after testing with a pre-calibrated rotameter. The rotameter is calibrated annually with a primary standard. The samples were labeled with unique identification numbers, packaged and delivered with chain-of-custody documentation to ALS Laboratories in Salt Lake City, Utah and Cincinnati, Ohio. The samples were analyzed by EPA Method T0-10A for PCBs. Field Blanks were collected and included with each batch of air samples that were sent to the laboratory. "Blanks" are unused PUF tubes that were

handled similarly to all other samples; however, no air was drawn through these "blank" tubes. Blanks are analyzed with each batch of air samples to help determine if the sample media or the handling process has influenced the final results.

All final post abatement air samples were found by laboratory analysis to be non-detect for PCBs. See Tab 4 for field drawings and laboratory data.

Surface Wipe Samples

Pre-abatement surface wipe data consisted of samples collected during the indoor air quality investigation performed in early 2016 and supplemental data collected just prior to abatement activities.

Sampling was performed using the wipe sampling method in 40 CFR Part 761. This method uses includes a gauze pad wetted with hexane and placed in a glass jar. The sample media was provided by the laboratory. The hexane wetted gauze pad is wiped over a 100 cm^2 area using a disposable template as a guide and then placed in a glass jar. PBS personnel wore disposable nitrile gloves to protect against cross-contamination between samples. The post abatement samples were collected from various horizontal surfaces within each regulated area. The samples were labeled with unique identification numbers, packaged and delivered with chain-of-custody documentation to ALS Laboratories in Salt Lake City, Utah and Onsite Environmental located in Redmond, Washington. The samples were analyzed by EPA Method SW 8082 for PCBs. Field Blanks were collected and included with each batch of wipe samples that were sent to the laboratory. "Blanks" are unused hexane soaked wipes that were handled similarly to all other samples, however, were not wiped on any surfaces.

All final post abatement surface wipe samples were less than the EPA criteria of 10 *u*g/100 cm^2 PCBs. See Tab 5 which provides pre-abatement and final post abatement wipe sample lab data. Tab 5 also includes field drawings showing locations for all pre-abatement and post abatement clearance samples.

Soil Samples

Pre-abatement and post abatement soil samples were collected in each area where exterior PCB-containing caulk was removed and exposed soil or landscaping was present beneath. Soil sample collection was at the surface cover layer beneath the abatement location. A stainless steel hand spade was used to remove 0-2" of the ground cover (i.e. soils or landscaping materials) from three separate spots in each regulated area and then composited in a bowl. Soil retained for analysis was packed into laboratory-provided glass containers with zero headspace, sealed and labeled and chain of custody documentation initiated. PBS personnel wore disposable nitrile gloves to protect against cross-contamination between samples. All sampling equipment was decontaminated with a detergent and distilled water rinse between each regulated area. The samples were labeled

with unique identification numbers, packaged and delivered with chain-of-custody documentation to Onsite Environmental, Redmond, Washington. The samples were analyzed by EPA Method SW 8082A.

All final post abatement soil samples were below the MTCA unrestricted land use criteria of 1 ppm PCBs. See Tab 6 for field drawings and laboratory data.

Asbestos Air Samples

PBS collected post abatement asbestos air clearance samples in the Pod/Library Building where cement asbestos window infill panels were disturbed during caulking abatement. This method uses a high volume vacuum pump that is fitted with a 25 mm cassette with a 0.8 micron MCE filter. The air pump is calibrated before and after testing with a pre-calibrated rotameter. The rotameter is calibrated annually with a primary standard. The samples were labeled with unique identification numbers, packaged and delivered with chain-of-custody documentation to our in-house lab in Seattle, Washington. The samples were analyzed by NIOSH Method 7400 Phase Contrast Microscopy. Field Blanks were collected and included with each batch of air samples that were sent to the laboratory. "Blanks" are unused cassettes that were handled similarly to all other samples; however, no air was drawn through these “blank” cassettes.

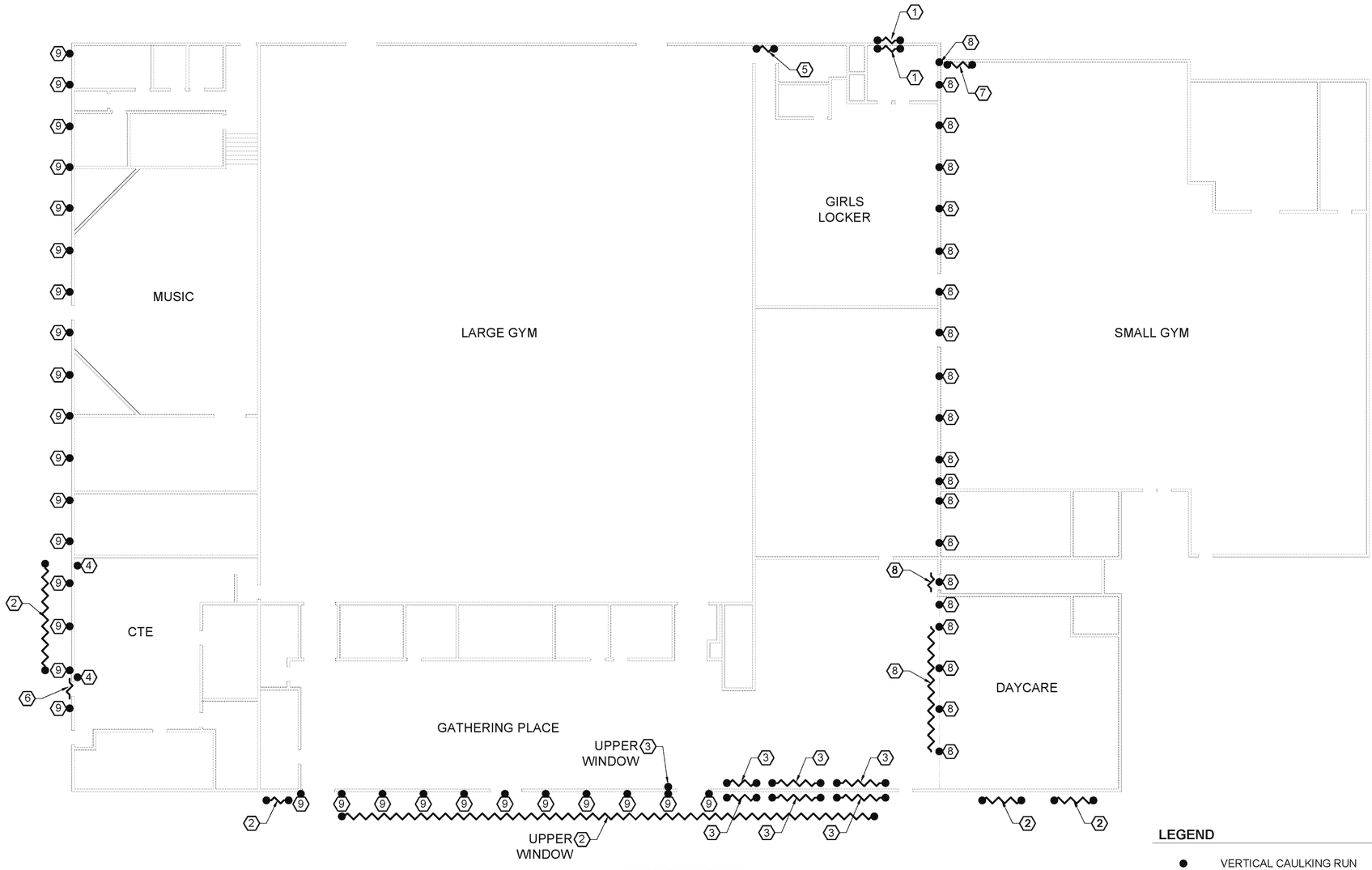
All final post abatement asbestos air samples were less than the EPA AHERA criteria 0.01 f/cc. See Tab 7 for field drawings and laboratory data.

Contractor Closeout Documents

The project specifications required the abatement contractor (i.e. NorthStar) to provide post job submittals which documents their abatement related activities at this project site. PBS reviewed the post job submittals provided by NorthStar and found them to generally conform to the project specifications. The contractors’ closeout documents have been attached to this report for convenience, see Tab 8.

Review of the project submittals by PBS is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Any action indicated is subject to the requirements of the contract. The Contractor is responsible for adherence to the requirements of the Contract Documents, which take precedence over any information, recommendations, or requests contained herein.

TAB 2
Technical Specifications and Work Scope Drawings



GYM BUILDING

NOT TO SCALE

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
2. REMOVAL OF HAZARDOUS MATERIALS MAY COMPROMISE THE SECURITY OF THE SITE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINTAINING SITE SECURITY AND PUBLIC SAFETY THROUGHOUT THE PROJECT. SEE SPECIFICATIONS REGARDING SECURITY AND PUBLIC SAFETY.
3. ABATEMENT CONTRACTOR TO COORDINATE ALL ACTIVITIES WITH ALL OTHER ONSITE WORK INCLUDING, BUT NOT LIMITED TO: SCHEDULE, ACCESS, STAGING, ETC. ABATEMENT CONTRACTOR TO REPORT LOCATIONS AND QUANTITIES OF ALL HAZARDOUS MATERIALS TO BE REMOVED, TO THE OWNERS REPRESENTATIVE PRIOR TO ABATEMENT/DEMOLITION.
4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

(1) REMOVE APPROX. 20 LF OF PCB-CONTAINING CAULKING LOCATED ON THE EXTERIOR AND INTERIOR METAL WINDOW FRAME ON THE GIRLS LOCKER ROOM NORTH PERIMETER WINDOW AS SHOWN.

(2) REMOVE APPROX. 300 LF OF PCB-CONTAINING CAULKING ON THE EXTERIOR METAL WINDOW FRAMES ON ALL WINDOWS AT THE SOUTH AND WEST ELEVATIONS OF THE LARGE GYM BUILDING AS SHOWN. THIS INCLUDES CAULKING THAT EXISTS AROUND EACH WINDOW INFILL PANEL METAL FRAME TRANSITION ON THE WEST ELEVATION. THESE INFILL PANELS ARE CEMENT ASBESTOS BOARD.

(3) REMOVE APPROX. 40 LF OF PCB-CONTAINING CAULKING LOCATED ON INTERIOR SIDE OF THE THREE LOWER WINDOWS AND THE UPPER WINDOW BANK EAST VERTICAL IN THE GATHERING PLACE AS SHOWN.

(4) REMOVE APPROX. 10 LF OF PCB-CONTAINING OF CAULK ON INTERIOR WINDOW FRAME VERTICALS IN THE CTE ROOM AS SHOWN.

(5) REMOVE APPROX. 18 LF OF PCB-CONTAINING OF CAULK ON INTERIOR SIDE OF NORTH EXTERIOR GIRLS LOCKER ENTRY DOOR AS SHOWN.

(6) REMOVE APPROX. 18 LF OF PCB-CONTAINING OF CAULK ON EXTERIOR SIDE OF NORTH CTE ENTRY DOOR AS SHOWN.

(7) REMOVE APPROX. 18 LF OF PCB-CONTAINING OF CAULK ON THE INTERIOR SIDE OF THE NORTHWEST PERIMETER ENTRY DOOR FRAME OF THE SMALL GYM AS SHOWN.

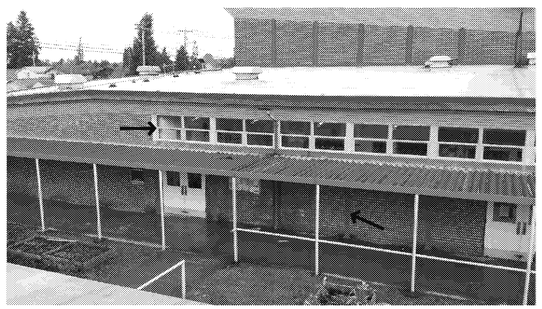
(8) REMOVE APPROX. 500 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL VERTICAL STRUCTURAL METAL COLUMN TRANSITIONS THROUGHOUT THE EAST ELEVATION OF THE LARGE GYM AS SHOWN. THIS INCLUDES THE REMOVAL OF ALL CAULKING ON THE INTERIOR DEMISING WALL METAL BEAMS (VERTICAL AND HORIZONTAL) BETWEEN THE DAYCARE AND THE GATHERING PLACE/CAFETERIA AS SHOWN. THE CAULKING IS HEAVILY PAINTED THROUGHOUT THE WORK SCOPE AREA.

(9) REMOVE APPROX. 780 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL EXTERIOR VERTICAL STRUCTURAL METAL COLUMN TRANSITIONS THROUGHOUT THE LOWER WEST AND SOUTH ELEVATIONS OF THE LARGE GYM BUILDING AS SHOWN.

NOT TO SCALE

LEGEND

- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUNS



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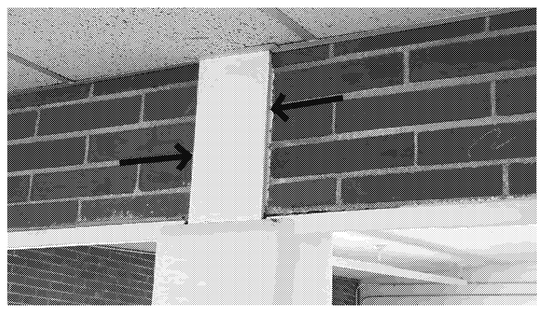

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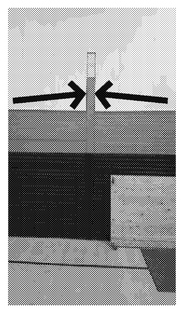

(8) **PHOTO DETAIL**

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MONROE SCHOOL DISTRICT

GYM BUILDING
CAULKING ABATEMENT PLAN
SKY VALLEY EDUCATIONAL CENTER

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351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2016
DWG NO.	SHEET NO.
HM1	1 OF 5

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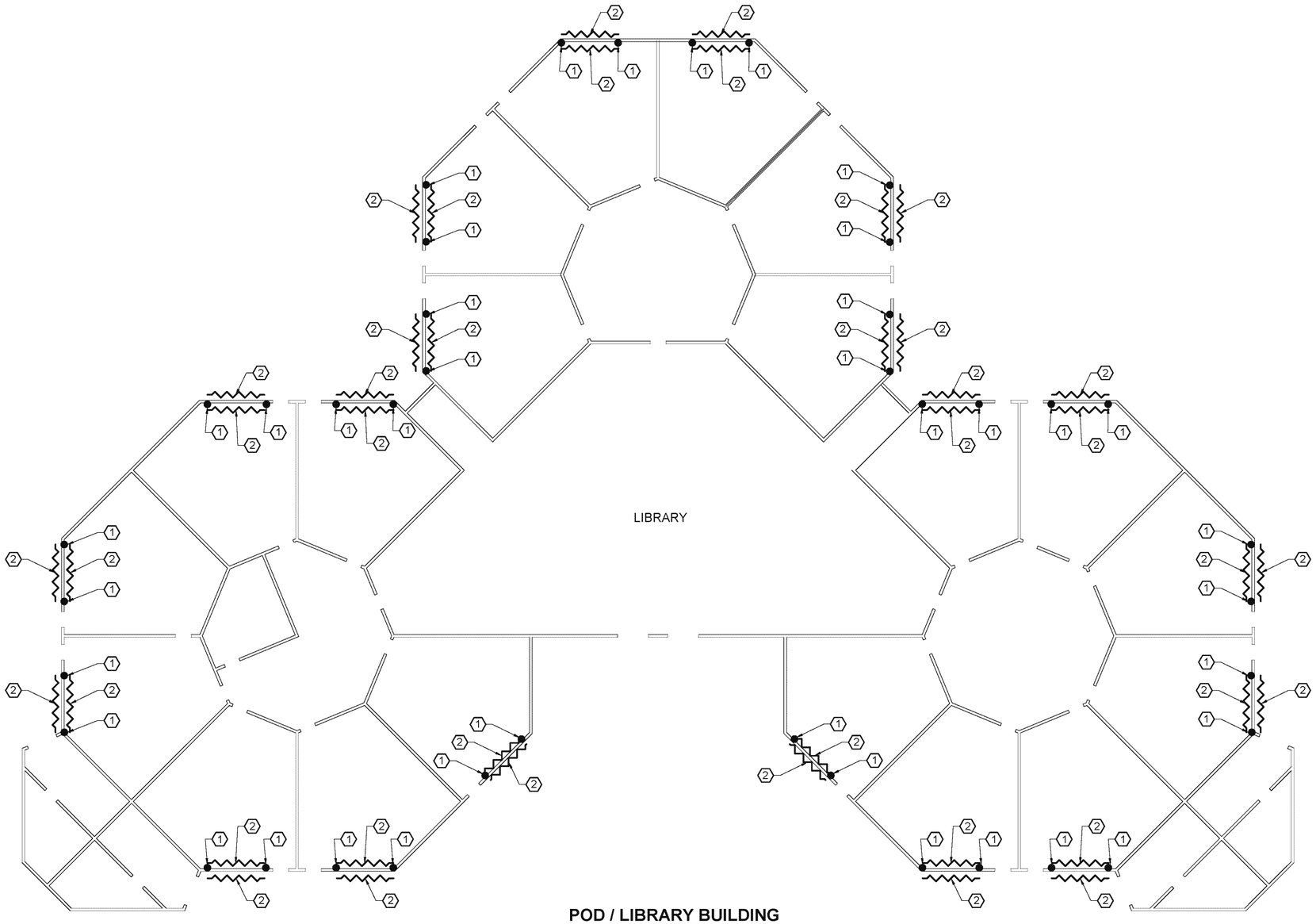

POD / LIBRARY BUILDING

NOT TO SCALE

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.

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4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

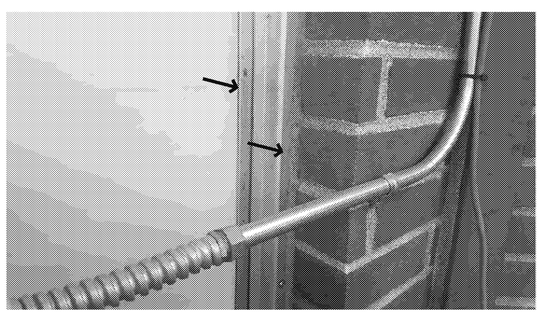
KEY NOTES

(1) REMOVE APPROX. 500 LF OF PCB-CONTAINING CAULKING LOCATED ON INTERIOR PERIMETER METAL WINDOW FRAME TO BRICK TRANSITION VERTICALS IN EACH OF CLASSROOMS 1-20 AS SHOWN.

(2) REMOVE APPROX. 1,400 LF OF PCB-CONTAINING CAULKING ON THE INTERIOR AND EXTERIOR SIDES OF THE CEMENT ASBESTOS BOARD (CAB) WINDOW INFILL PANELS. THE CAULKING FILLS THE GAP BETWEEN THE METAL WINDOW FRAME AND CAB TRANSITION IN EACH OF CLASSROOMS 1-20 AS SHOWN.

LEGEND

- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUN



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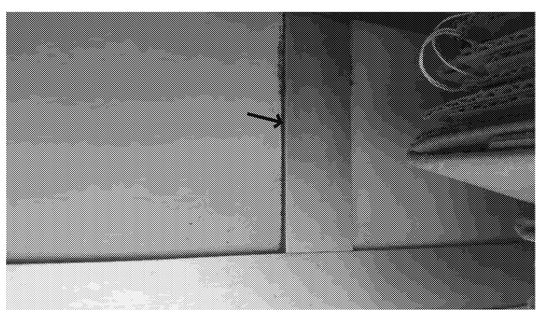

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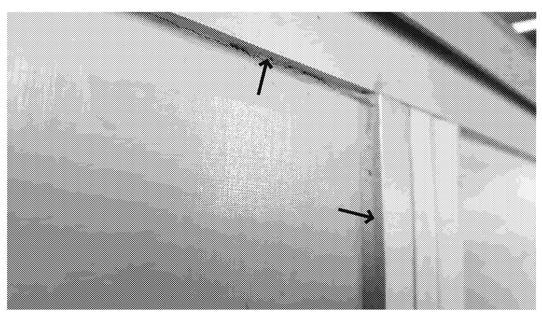

(2) PHOTO DETAIL

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HM2	2 OF 5

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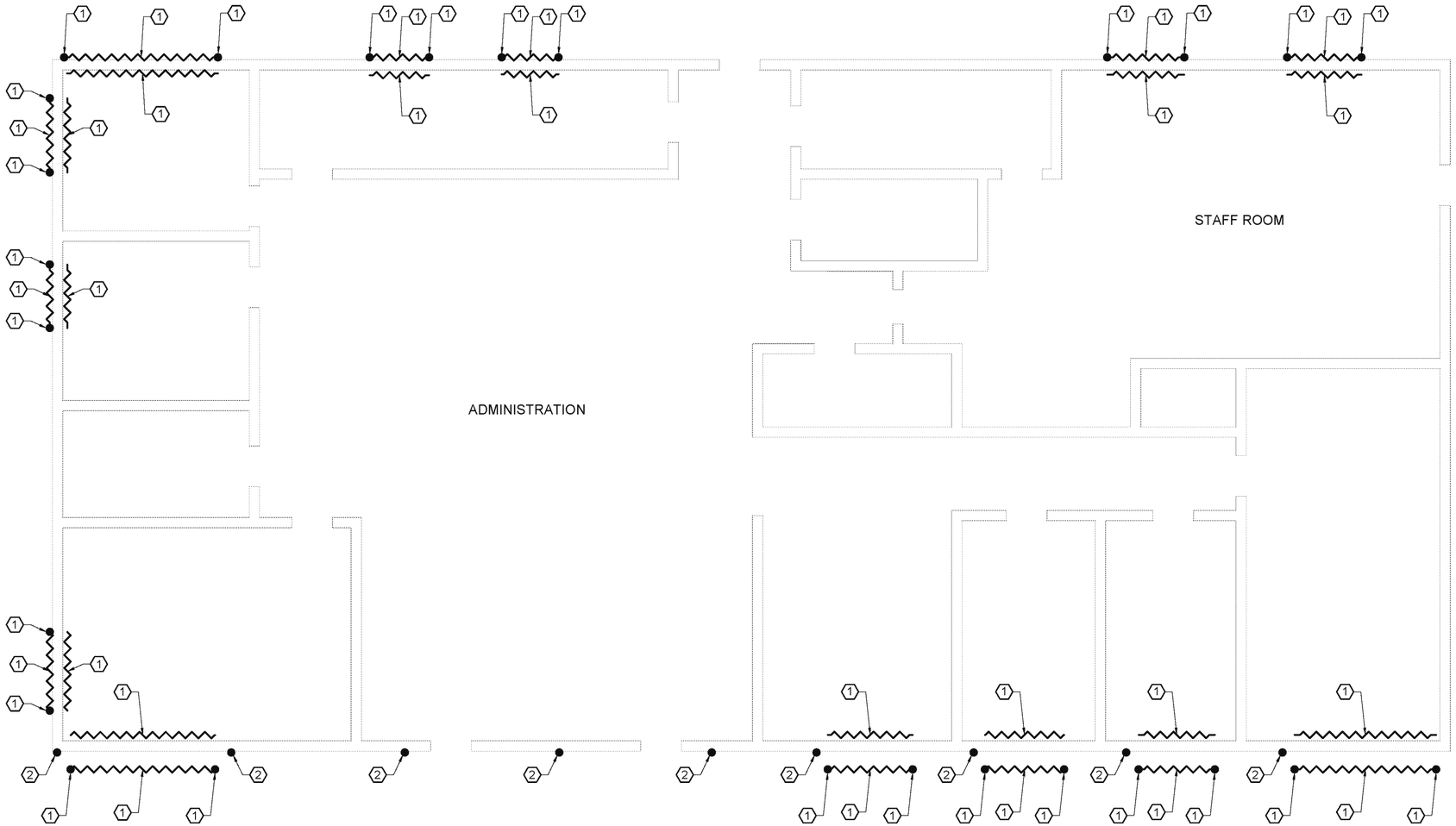

ADMIN BUILDING

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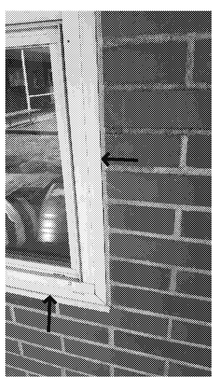

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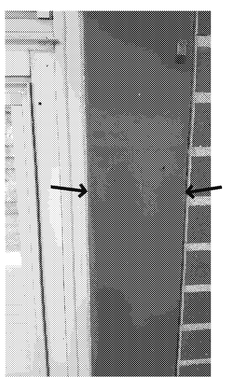

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4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

① REMOVE APPROX. 400 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL INTERIOR METAL WINDOW SILL TRANSITIONS AND ALL EXTERIOR METAL WINDOW FRAME TRANSITIONS THROUGHOUT THE ADMINISTRATION BUILDING AS SHOWN.

② REMOVE APPROX. 175 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL EXTERIOR VERTICAL STRUCTURAL METAL BEAM TRANSITIONS THROUGHOUT THE ADMINISTRATION BUILDING AS SHOWN.

LEGEND

- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUN

NOT TO SCALE

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MONROE SCHOOL DISTRICT

ADMIN BUILDING CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2016
DWG NO.	SHEET NO.
HM3	3 OF 5

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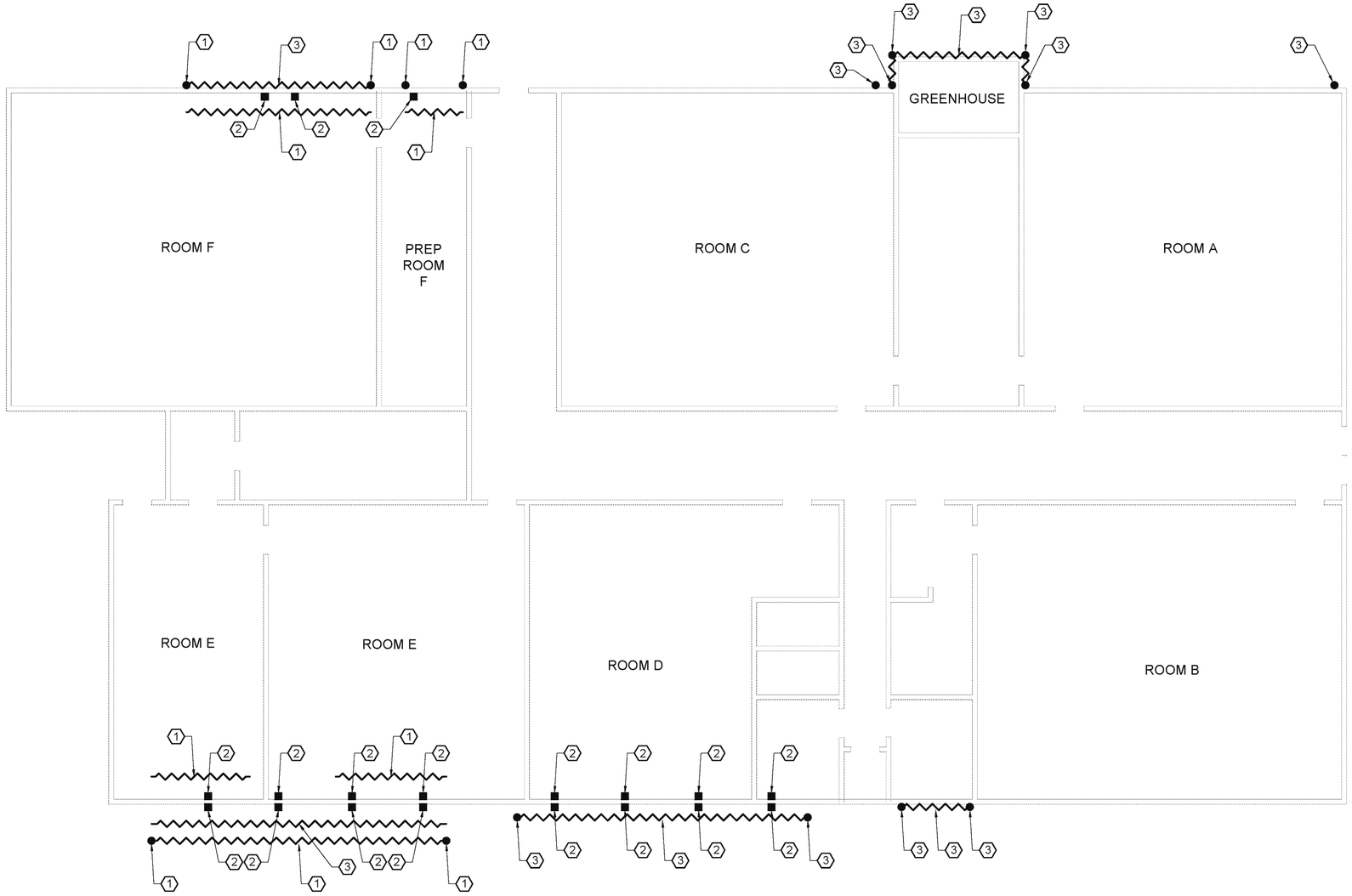

ANNEX BUILDING

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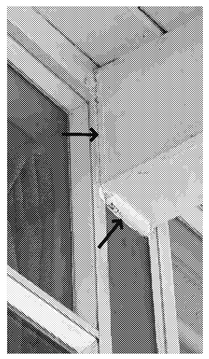
1 2 3 PHOTO DETAIL



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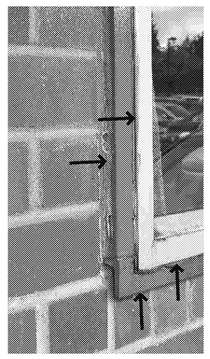

1 3 PHOTO DETAIL

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4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

1. REMOVE APPROX. 200 LF OF PCB-CONTAINING CAULKING LOCATED ON INTERIOR PERIMETER METAL WINDOW FRAME TRANSITIONS. THIS INCLUDES REMOVAL OF CAULKING WHICH EXISTS ON EXTERIOR METAL WINDOW FRAME TRANSITIONS ON THE NORTH AND SOUTH BUILDING ELEVATION WINDOWS AS SHOWN.

2. REMOVE APPROX. 80 LF OF PCB-CONTAINING CAULKING ON WOOD CEILING/SOFFIT BEAMS AT PERIMETER WALL/CEILING TRANSITIONS IN ROOMS E, F AND PREP ROOM F AS SHOWN.

3. REMOVE APPROX. 300 LF OF PCB AND ASBESTOS-CONTAINING TAN CAULKING LOCATED ON VARIOUS VERTICAL AND HORIZONTAL METAL WINDOW FRAME TRANSITIONS ON THE NORTH AND SOUTH ELEVATIONS OF THE ANNEX BUILDING AS SHOWN.

LEGEND

- VERTICAL CAULKING RUN
- CAULKING ON BEAM
- HORIZONTAL CAULKING RUN

NOT TO SCALE

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MONROE SCHOOL DISTRICT

ANNEX BUILDING CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
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DWG NO.	SHEET NO.
HM4	4 OF 5

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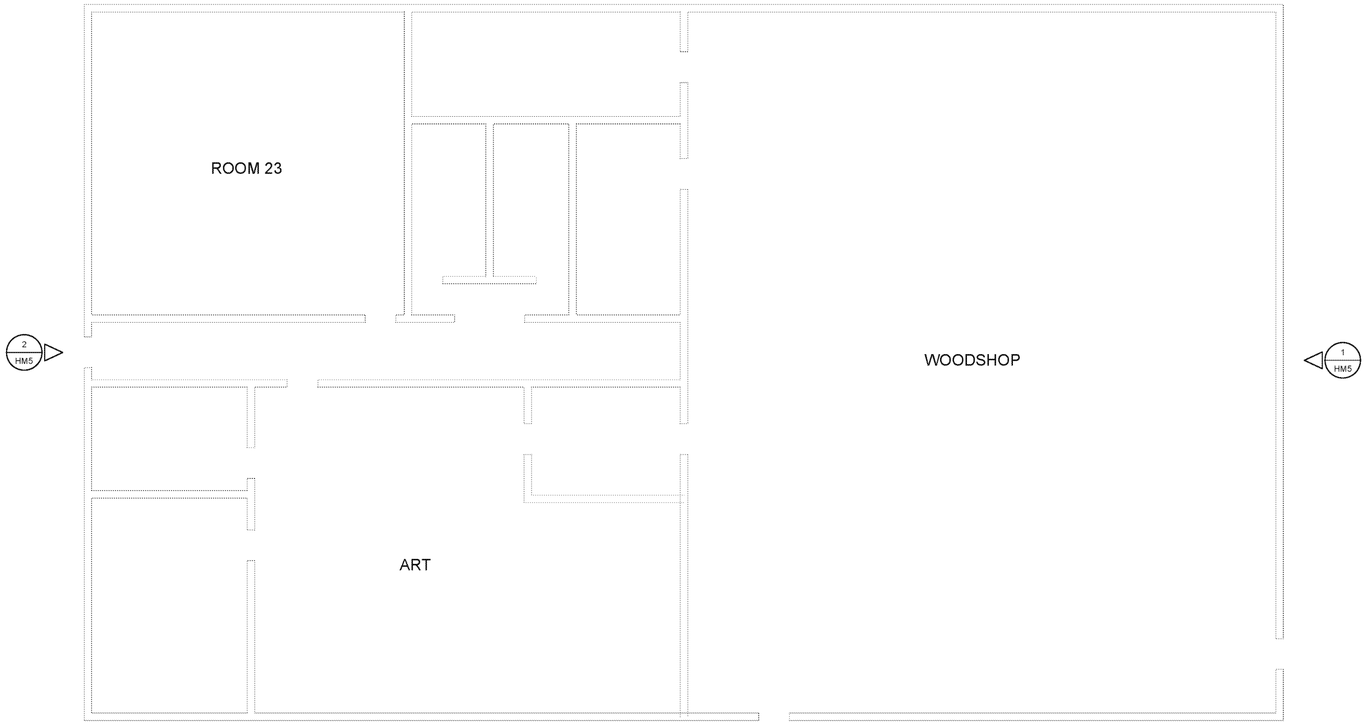

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4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

⟨1⟩ REMOVE APPROX. 60 LF OF PCB-CONTAINING CAULKING LOCATED ON EXTERIOR LOUVERS, VENTS AND DUCTING ON METAL TRANSITIONS ON THE WEST AND EAST EXTERIOR ELEVATIONS OF THE TECHNOLOGY BUILDING AS SHOWN.

TECHNOLOGY BUILDING

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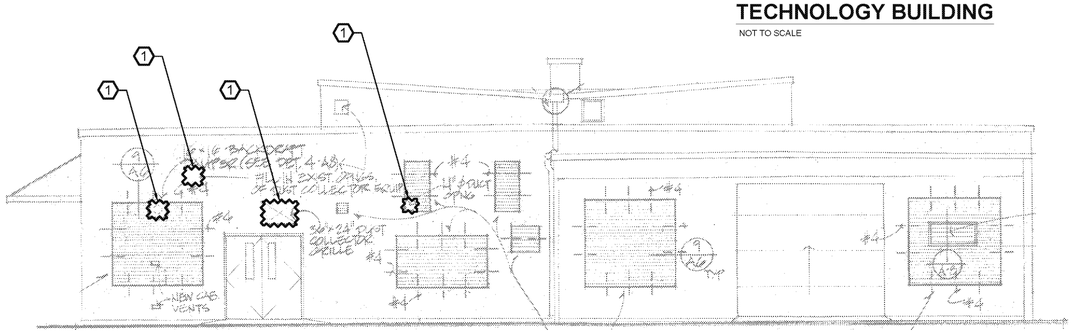
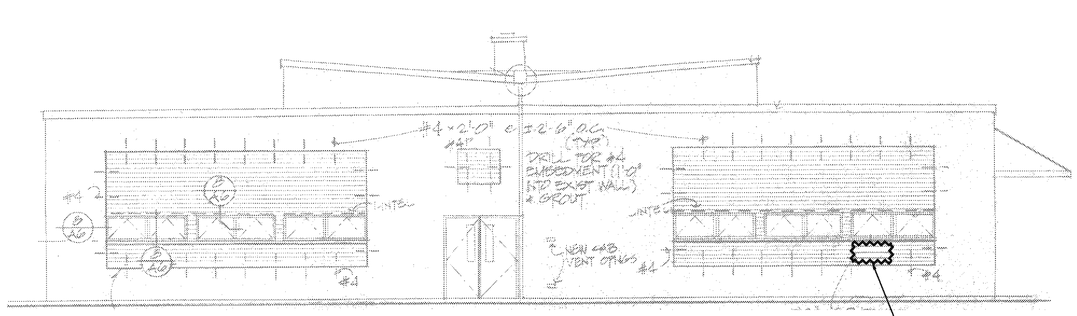


1 HM5 **TECHNOLOGY BUILDING EAST**
NOT TO SCALE



2 HM5 **TECHNOLOGY BUILDING WEST**
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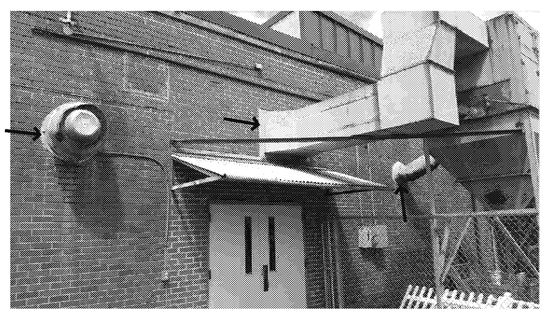

⟨1⟩ **PHOTO DETAIL**

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HM5	5 OF 5

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PART 1 - GENERAL

1.01 SCOPE

A. Contractor shall provide all labor, materials, equipment, services, utility or power shutdowns, permits EPA approvals and insurance required to complete the handling, removal, cleanup, containerization, transport and proper disposal of PCB-containing caulking (sealants) located throughout Sky Valley Education Center on interior and exterior door frames, window frames and panels, column joints, expansion joints, mechanical systems, plumbing systems, and various other penetrations and junctions. Some of the sealants included in the work scope also contain asbestos.

B. The Contractor shall refer to the attached Drawings HM1-HM5 for approximate locations and quantities of PCB-containing and asbestos-containing caulking.

C. The intent of this project is to remove all visible caulking (sealants) from metal, masonry, gypsum wallboard and wood that contain greater than 50 ppm PCB's, located in various areas throughout campus. It is not the intent of this project to perform demolition of building components to remove these PCB-containing materials. The concentrations of PCBs in caulking (sealants) at this site ranged from "None Detect" to 140,000 ppm.

D. This project includes pre-cleaning the substrates prior to applying the specified epoxy sealant to all substrates from which the PCB materials have been removed. The epoxy sealant shall extend a minimum of 2" beyond all edges of the removed PCB materials. See Part 2-Products, for the approved epoxy sealer.

E. Be aware that a significant amount of other work will be taking place over the summer at this site and as such, the Contractor shall coordinate with and accommodate all other onsite trades/personnel.

F. The work includes the removal of sealants that have been applied at various times over the last 55 years. The characteristics of the sealants and substrates vary greatly from location to location and the contractor shall expect varying degrees of difficulty in adequately removing the caulk (sealants).

1.02 RELATED SECTIONS

A. General Conditions, Modifications to the General Conditions, Supplemental Conditions to the General Conditions and Drawings, and Division 01 apply to this Section.

1.03 DEFINITIONS

A. Authorized Visitor: The Owner or designated representative, or a representative of any regulatory or other agency having jurisdiction over the project, and having required training, medical approval, fit test, etc.

B. Controlled Area: Area that only qualified and properly protected workers or authorized visitors has access.

C. Caulk: Any type of sealant use for weatherproofing or filling a void or gap.

D. Decontamination Area: enclosed area adjacent and connected to controlled/regulated work

area, consisting of an equipment room and clean room, which is used to decontaminate workers, materials, and equipment. Where PCB removal is done in conjunction with asbestos or lead abatement the decontamination area for asbestos or lead may be used for this purpose.

E. Disposal: Procedures necessary to transport and deposit the PCB materials in an approved waste disposal site in compliance with EPA and other applicable regulations. Disposal Site shall be an Owner approved and designated landfill, incinerator or recycling company for PCB-containing waste.

F. Owner's Environmental Consultant: Environmental consultant specializing in hazardous materials abatement - PBS Engineering and Environmental - or any subcontractor designated by PBS.

G. Incineration: The destruction of PCBs by an EPA-approved facility. The facility must be a TSCA-permitted incinerator and a licensed TSDF, Transportation Storage and Disposal Facility. All operating permits must be current and valid.

H. Polychlorinated Biphenyls (PCBs): A class of chlorinated hydrocarbon compounds containing a variable number of chlorine atoms. Commercially available products contain mixtures of as many as 40 to 70 PCB compounds (isomers). A compound containing more than 50 ppm of PCBs is considered by EPA to be PCB-containing. PCBs range from oily liquids to white, crystalline solids to hard, noncrystalline resins or waxy solids.

I. SDS: Safety Data Sheet supplied by manufacturer provides information on a product listed in OSHA 29 CFR 1910.1200(g-2).

J. Substantial Completion: All abatement activities completed, confirmation testing performed and passed, containment removed, and both layers of epoxy encapsulant applied.

K. Waste Shipment Records: Form similar to *Uniform Hazardous Waste Manifest*, or an EPA approved state form.

1.04 DOCUMENTS INCORPORATED BY REFERENCE

A. The current issue of each document shall govern. Where conflict among requirements or with these Specifications exists, the most stringent requirements shall apply.

1. U.S. Environmental Protection Agency Toxic Substance Control Act, TSCA, (Code of Federal Regulations Title 40, Part 761)
2. U.S. Environmental Protection Agency Office of Toxic Substances Guidance Document, *Summary of PCB Regulations*, EPA Document No. 910-S-94-002.
3. U.S. Department of Labor, Occupational Safety and Health Administration (OSHA), 40 CFR 1910.120.
4. RCRA, Resource Conservation and Recovery Act, 40 CFR Part 761, Subpart D.
5. Washington State Department of Ecology, Dangerous Waste Regulations, Chapter 173-303 WAC
6. U.S. Environmental Protection Agency National Emissions Standards for Hazardous Air Pollutants (NESHAPS). (Code of Federal Regulations Title 40, Part 61, Subparts A and B.)
7. U.S. Environmental Protection Agency Office of Toxic Substances Guidance Document, *Guidance for Controlling Friable Asbestos-Containing Materials in Build-*

ings, EPA Report Number 560/5-85-024 ("Purple Book").

8. U.S. Department of Labor Occupational Safety and Health Administration (OSHA):

   a. Title 29 Code of Federal Regulations Section 1910.1001--General Industry Standard For Asbestos.
   b. Title 29 Code of Federal Regulations Section 1910.134--General Industry Standard For Respiratory Protection.
   c. Title 29 Code of Federal Regulations Section 1910 *et al.*--Occupational Exposure to Asbestos; Final Rule.
   d. Title 29 Code of Federal Regulations 1926.1101--Construction Standard for Asbestos.
   e. Title 29 Code of Federal Regulations Section 1910.2--Access to Employee Exposure and Medical Records.
   f. Title 29 Code of Federal Regulations Section 1910.1200--Hazard Communication.
   g. Environmental Protection Agency 40 CFR Part 763, AHERA, Asbestos-Containing Materials in Schools.
   h. National Institute for Occupational Safety and Health (NIOSH), 30 CFR, Part II, Respirators.
   i. American National Standards Institute (ANSI) NY; ANSI Standard Z 88.2-1980 *American National Standards Practice for Respiratory Protection*, latest edition.
   j. CERCLA, Comprehensive Environmental Response, Compensation, and Liability Act (42 U.S.C. 9601 et. seq.)
   k. RCRA, Resource Conservation and Recovery Act.
   l. Washington State General Occupational Health Standards, WISHA Chapter 296-62 Washington Administrative Code (WAC); Chapter 296-65 WAC Asbestos Removal & Encapsulation; Chapter 296-155 WAC Safety Standards for Construction Work.
   m. Puget Sound Clean Air Agency (PSCAA) Regulations.
   n. Washington Industrial Safety and Health Act (WISHA).
   o. International Building Code (I.B.C.), latest edition, regulations as applicable.
   p. Electrical work shall be performed in accordance with the National Electrical Code.
   q. All local ordinances, regulations, or rules pertaining to asbestos, including its storage, transportation, and disposal.

1.05 SUBMITTALS AND NOTICES

A. Contractor shall submit electronic copies of the following information 10 days prior to beginning work:

1. WORK PLAN. Submit a written "work plan" satisfactory to the Owner and Environmental Consultant describing the schedule for PCB and asbestos abatement, specific methods and work practices, worker protection, and worker training. The work plan shall also include and not limited to regulated work area restrictions, worker protection and personnel protective equipment to be employed, personnel monitoring of workers, methods to be employed for the stripping/removal of caulking (sealant), decontamination and cleanup procedures for designated surface areas in the scope, environmental and building protection, a specific schedule for each work area, and information regarding storage and handling of all waste. In the event that on-site activities will require departure from any and all aspects of the information

outlined in the pre-approved Work Plan, submit written clarification/modification of proposed changes to the Owner and Environmental Consultant for review and approval prior to performing that work.

2. CONTINGENCY PLAN. This will include emergency control measures and cleanup procedures in event of spills or releases.
3. WRITTEN RESPIRATOR PROGRAM AND FIT TESTING. Submit written proof that all employees requiring respiratory protection participate in a written respiratory protection program. The Contractor shall provide written proof of the existence of a respiratory protection program.
4. TRAINING: Submit written proof that all employees performing PCB-related work will have completed all necessary training. Training shall include, at a minimum, hazard communications training and Hazardous Waste Operations and Emergency Response (HAZWOPER) in compliance with WAC Chapters 296-843. Submit written proof that all employees performing asbestos-related work will have completed all necessary asbestos-related training in compliance with WAC Chapters 296-62 and 296-65. The Owner and/or the Environmental Consultant reserves the right to remove a certified asbestos worker from the work at any time during the project for any reason at no additional costs or schedule delays to the owner.
5. CERTIFIED ASBESTOS SUPERVISOR (CAS): Submit the name, Asbestos Supervisor Certification and resume of experience of the assigned on-site CAS's. At a minimum, the foreman shall have successfully completed a supervisor training course in compliance with WAC Chapter 296-65-007. References and work on similar projects must be provided and will be reviewed. The CAS's working on this project must show a minimum of 5 years experience as a CAS. The Owner and Environmental Consultant reserves the right to remove the CAS from the work at any time during the project for any reason. The Contractor shall then submit another on-site CAS for approval as described above and at no additional costs or schedule delays to the owner.
6. NOTIFICATIONS AND POLICIES: Submit copy of all required notifications and permits obtained by the Contractor (including but not limited to Washington State Department of Labor and Industries, and PSCAA) and copies of all types of specified bonds and insurance. Submit upon receipt any approved amendments to notifications or re-notifications for multi-phase activities. The Owner will provide EPA notifications and approvals for PCB caulking abatement.
7. CHEMICALS. Submit SDS sheets and technical specifications for all chemicals used at this site for pre-approval by the owner.
8. DISPOSAL PLAN. It is the intent of this project to dispose of all PCB Caulk and any contaminated building materials together. The Contractor will manage the packaging, transportation and disposal of PCB bulk waste generated from caulking (sealant) abatement. Submit written proof that all required permits and arrangements for transport and disposal of PCB-containing materials, supplies, and waste at a site approved by EPA have been obtained. Provide specific information relating to storage, transport and disposal. Provide name and address of the designated transporter and proposed disposal site at which any waste material generated during the project will be disposed and furnish evidence of all necessary regulatory approvals of disposal prior to any waste leaving the site. Prior to requesting payment for completion of PCB abatement, the Contractor shall submit Waste Shipment Records completely filled out and signed by all handlers.

B. Refer to EPA, OSHA, and other standards referenced herein for further information and regulatory requirements not included above.

C. Coordination lead time: The contractor shall account for waste disposal coordination with the Owner. This is typically requiring seven calendar days.

D. POST JOB SUBMITTALS: Post-Job Submittals shall be delivered to the Owner within 15-days of completion of PCB-related work as specified by these Contract Documents and shall include the following:

1. Certification: Provide written certification from the Abatement Subcontractor's Project Manager or Supervisor that the Abatement Subcontractor has fully inspected the work area and completed work in strict accordance with the Specifications.
2. Air Monitoring: Submit documentation of all employee personal air monitoring results relative to OSHA and WISHA respiratory protection level compliance. Include copies of all air monitoring data sheets, chain-of-custody documentation and analysis reports for sampling conducted at the site.
3. Project Record Documents: Provide project records including documentation of all contract changes, and copies of worksite entry logs, work area entry/exit logs, safety logs, changes to the work, safety meeting sign-in sheets, and supervisor's daily field reports.
4. Disposal Manifests: Submit copies of all waste transportation and disposal manifests including signed receipts from the landfill, and or chain-of-custody. A copy of the disposal information for PCB and asbestos waste shall be submitted within 5 days of leaving the project site. The intent of this requirement is to track the disposition of the waste at all times. No progress payments will be approved without proper documentation of transportation and disposal.

1.06 PERSONNEL PROTECTION

A. Training

1. Prior to commencement of work, ensure all workers have been trained in accordance with in WAC Hazard Communications for PCB related activities and Hazardous Waste Operations and Emergency Response (HAZWOPER) in compliance with WAC Chapters 296-843 and WAC 296-65.
2. Provide and post decontamination, respirator, and work procedures to be followed by the workers.

B. Personnel Protective Equipment for PCB Removal

1. Worker personal protective equipment (PPE) shall consist of PCB-resistant gloves and clothing, eye, hearing, head and fall protection as necessary.
2. Respiratory protection shall include, at a minimum, the use of combination organic vapor/P100 cartridges when performing dust generation activities or working with solvents.
3. Provide additional personnel and respiratory protection to minimize any possible exposure from inhalation. Provide PCB and asbestos exposure assessment for workers. Refer to below testing limits in Section 1.15 for worker exposure requirements for PCBs.

C. Worker Decontamination Area

1. Where PCB abatement is performed in conjunction with asbestos, lead abatement or other hazardous materials abatement, a multiple use decontamination area shall be

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established.

2. The Contractor shall provide a decontamination/emergency clean up area consisting of PCB-resistant sheeting (drop cloth) with absorbent material and other necessary equipment. Washing facilities with hot water and cleanser that is capable of removing oily compounds without injury to human skin. Showers must be provided when dust is generated during removal.
3. Eating and drinking is prohibited in the regulated work area. Smoking is prohibited on any School District property.

1.07 AIR MONITORING BY CONTRACTOR

A. Industrial Hygienist: An Independent Testing Laboratory shall be retained by the Abatement Subcontractor for PCB and asbestos air sample analysis. Air sample collection may be performed by an Industrial Hygienist or the Abatement Contractor's foreman. Perform sampling and analysis of air samples for PCB and asbestos in compliance with WAC Chapter 296-841.

B. Sample Documentation: Documentation shall be kept for each filter sample procured as to worker sampled, social security number, activity, work area location, date and time taken, volume of air drawn through filter, pump identification number and calibration. Documentation shall indicate in what areas tests were taken and shall clearly indicate the specified maximum allowable concentrations for each area tested. Report all data within 48 hours. Submit chain-of-custody records along with all samples.

C. Controls: The Contractor's testing laboratory shall submit sample analysis results, chain-of-custody and equipment calibration records to the Environmental Consultant within 24 hours from the time of collection.

D. Contractor's Sampling During Abatement

1. Sample Collection: Air monitoring shall be performed to determine worker exposure during the period of abatement in each work area. Begin sampling when removal commences and during each 8-hour work shift until abatement is complete.
2. Most Contaminated Worker: The Contractor shall determine which worker(s) in each work area is probably experiencing the most severe exposure. This is the "Most Contaminated Worker(s)". 8-hour TWA and excursion samples shall be collected on this worker(s). This worker shall wear a personal sampling pump and the sample shall be drawn from the breathing zone of this worker.
3. The number of air samples collected shall be in accordance with the Contractor's approved work plan; however, a minimum of one sample per work area must be collected daily.

1.08 AIR MONITORING BY OWNER

A. Industrial Hygienist: The Owner will retain an experienced Industrial Hygienist/Environmental Consultant to collect and analyze air samples from various areas during abatement activities. Any airborne PCB or asbestos concentrations in excess of regulatory limits will be reported. Documentation of sample results will be forwarded to the Contractor as appropriate.

B. Any expedited after “hours” analysis or weekend analysis requested by the contractor is subject to the approval by the Owner of resulting additional costs.

C. The Owner reserves the right to monitor Contractor's performance via air samples on abatement workers and wipe samples inside and outside the regulated work areas, in addition to the Contractor's air monitoring.

1.09 WORKING HOURS

A. Work hours are 6 am to 4:30 pm Monday through Saturday unless otherwise pre-approved by the owner. Submit proposed work hours and calendar schedule to Owner prior to commencement of work for pre-approval.

1.10 PERMITS AND NOTIFICATIONS

A. The Contractor is responsible for obtaining all permits and notifications as required for the completion of the work by the Washington State Department of Labor and Industries, the Puget Sound Clean Air Agency and any other permitting agency involved with the completion of the work included herein. For each phase of the work the Contractor shall notify the Environmental Consultant in writing a minimum of 72 hours prior to commencing any hazardous material related work at the project site.

B. The Owner will coordinate and provide EPA approvals for PCB-containing materials abatement activities. The contractor shall work and coordinate with the Owner for such approvals.

1.11 SAFETY

A. With regard to the work of this contract, the safety of the Contractor's employees, the Owner's employees, and the public is the sole responsibility of the Contractor.

1.12 LIABILITY

A. The Contractor is an independent contractor and not an employee of the Owner, Architect or Environmental Consultant. The Owner, Architect and the Environmental Consultant shall have no liability to the Contractor or any third persons for Contractor's failure to faithfully perform and follow the provisions of these Specifications and the requirements of the governing agencies. Notwithstanding the failure of the Owner, Architect or the Environmental Consultant to discover a violation by the Contractor of any of the provisions of these Specifications, or to require the Contractor to fully perform and follow any of them, such failure shall not constitute a waiver of any of the requirements of these Specifications which shall remain fully binding upon the Contractor.

1.13 SUBCONTRACTORS

A. Subcontractors employed by the Contractor shall be bound to all the work and safety standards specified. Subcontractor's personnel shall meet requirements as specified, and shall be supervised by the Contractor during performance of this work.

1.14 QUALITY ASSURANCE

A. Environmental Consultant shall perform periodic inspections to observe work, handling and packaging procedures. Environmental Consultant may perform surface wipe, bulk and air testing to determine possible contamination and environmental exposure, and verify that PCB and asbestos levels have not exceeded pre-abatement levels, regulatory levels and those specified in

this document.

B. Post Removal: Environmental Consultant shall perform visual inspections of each regulated area after the removal is complete. The Abatement Subcontractor shall assist the Environmental Consultant with the visual inspection and provide the necessary equipment to conduct such inspections. The Abatement contractor's supervisor shall escort the Consultant on all such inspections. The Abatement contractor shall give a minimum of 24 hour written notice for all visual inspections of regulated work areas. The Environmental Consultant will perform wipe sample testing for PCBs in each regulated area after all enclosures and protection have been removed. Representative pre-abatement wipe samples have been collected in all areas. Post abatement samples will be compared to the pre-abatement samples and the EPA regulatory criteria. Post abatement wipe samples shall be in compliance with Section 1.15 or the pre-abatement samples, whichever is lower.

C. Observation: Environmental Consultant shall perform observations regarding: integrity of isolation barriers, decontamination facilities, worker protection, Contractor's air monitoring program, performance of abatement operations, and conformance to the Specification, EPA, OSHA, WISHA and PSCAA regulations.

D. Stop Work: Environmental Consultant shall notify the Contractor in writing to stop work if the Environmental Consultant determines that work practices are in violation of regulations, these Specifications or work is endangering workers or occupants of the building. The Contractor shall continue work when conditions and actions are corrected and when written authorization is received from the Environmental Consultant.

E. Air Monitoring

1. Notification: If, at any time during the work, analysis of an air sample or wipe taken by the Contractor, Owner, or Environmental Consultant, indicates a PCB or asbestos concentration in excess of the applicable Maximum Allowable Concentration, the laboratory that analyzed the air sample shall immediately notify the Contractor, the Contractor's Superintendent, and the Environmental Consultant. See Testing Limits Section 1.15 and WAC 296-62-07.
2. Procedures: Immediately upon being notified of concentrations in excess of the limits identified in Section 1.15 and appropriate regulatory references, the Abatement Subcontractor shall perform the following steps in the order presented, at no additional cost to the Owner:

    a. Stop abatement work.
    b. Identify source of elevated PCBs or asbestos.
    c. Corrective Actions: Immediately correct containment breaches, pressure differential changes and potential cause of the elevated hazardous material. The Environmental Consultant will determine the affected area considered to be contaminated. The Environmental Consultant will determine the actions to be taken by the Abatement Subcontractor at no additional cost to the Owner.
    d. Clean the affected area. Cleaning will include wet methods and HEPA vacuuming.
    e. Re-sample air and surfaces until PCB and or asbestos concentrations are determined to be below the specified maximum testing levels.
    f. As appropriate, secure and repair containment barriers, repair or add equipment.
    g. Modify work procedures, and make other changes to reduce levels.

3. Document these activities in writing in detail and provide to Owner for review.
4. Resume work and air monitoring.
5. Additional Costs: The Contractor shall be responsible for all costs of any testing and associated labor, cleanup, repair, down time loss, etc. that is a result of the Contractor's negligence, poor maintenance of isolated areas, improper procedures and or failed clearance inspections and testing.

F. Performance: Work shall be performed in a skillful manner representing industry standards and following all EPA and WAC guidelines. All work shall be performed by employees with a minimum of 5 years experience directly related to the work scope of this project. Environmental Consultant shall require Contractor to remove from the work site employees and subcontractors the Environmental Consultant deems incompetent, careless or objectionable.

1.15 TESTING LIMITS

A. PCB levels for airborne, cleanup and hazardous waste disposal are as follows:

1. The contractor is responsible for air monitoring of all personnel performing PCB work.
2. Worker/personnel airborne concentrations shall be below 0.5 mg/m^3 (microgram per cubic meter) or pre-abatement background levels (where available), whichever is lower. The contractor shall provide negative exposure assessment for PCB exposure of employees/workers for each work activity.
3. Ambient air samples concentrations at all outside work areas shall be below 0.001 mg/m^3 or pre-abatement background levels (where available), whichever is lower.
4. Concentrations shall be below $10ug/100cm^2$ (microgram per square centimeter) or pre-abatement levels, whichever is lower, for wipe samples on all building surfaces.
5. Concentrations below 2 parts per million for general construction solid waste disposal.

B. Following the clean-up of suspect PCB-containing materials the Contractor shall follow all appropriate regulatory references and guidelines for disposal.

PCB level in (ppm)	Waste Designation	Disposal
< 2	"Construction Debris"	Municipal Landfill; Contractor is responsible for handling and disposal of construction debris.
≥2 to <49	"Special Regulated Waste"	Hazardous waste landfill (Owner approved facility); Contractor shall coordinate disposal with Owner. Contractor to handle the disposal of the waste.
≥ 50	"TSCA Waste"	Contractor shall coordinate with Owner and Contractor to handle the disposal of the waste.

C. All testing limits for asbestos related activities shall be in accordance with WAC 296-62-07 and 40 CFR Part 763 AHERA.

PART 2 - PRODUCTS

A. Plastic Sheet: Plastic sheeting shall be flame-retardant polyethylene material. It shall not dissolve on contact with PCB compounds or any chemicals used by the contractor for abatement/decontamination. The minimum thickness shall be 6-mil.

B. Storage Containers: Storage containers shall be suitable to receive and retain any PCB-containing or

contaminated materials until disposal or incineration at an approved site. They shall comply with container specifications set forth in 49 CFR 178.80, 178.82, 178.102 or 178.116. Containers shall be labeled with waterproof print and permanent adhesive in accordance with WAC, OSHA, DOT, UN and EPA regulations.

C. Warning labels on all disposal containers/drums shall be according to EPA Region 10 Toxic Substances Section, PCB and Asbestos Regulations. The Contractor will provide storage/waste containers and labels for this project.

D. Warning Signs: Unless other signs or security access is provided, and for a temporary measure, warning signs shall be provided and displayed at each regulated area during Work to warn of the presence of PCB and Asbestos removal activities. Upon completion of cleanup and clearance, these barriers and warning signs shall be removed.

E. Cleaning detergent or degreaser: Simple Green Industrial Cleaners and Degreasers (biodegradable) or TSP solution to clean surfaces or other pre-approved product. The cleaner shall be in accordance with the pre-approved Epoxy Sealer to be used on this project. The contractor shall follow the manufacturer's instructions for pre-cleaning of surfaces post abatement. Provide in the submittal package all SDS for products to be used to complete the project.

F. All necessary tools and equipment to complete the remediation and cleanup efforts.

G. Protective Clothing: Provide approved clothing per WAC 296-62 for all workers and all official representatives of the Owner, State or other governmental entity, and the Environmental Consultant who may inspect the project.

H. Filtration Equipment: All air filtration equipment including PPE shall be combination HEPA (for capturing airborne asbestos fibers) and Organic Vapor (for capturing PCB vapors).

I. Epoxy Sealer: SIKAGARD 62, manufactured by Sika is the approved epoxy sealer for this project. There shall be no substitutions without prior express written approval from the Owner. See attached Data Sheets for SIKAGARD 62.

PART 3 - EXECUTION

3.01 WORK AREA PREPARATION

A. Performance: Contractor shall perform the following procedures in the order in which they are presented for work according to the approved work plan.

1. Shut down HVAC systems. Seal openings with two separate layers of plastic sheeting.
2. Restrict access to work area and post warning signs. Do not perform abatement work in an occupied area.
3. Completely pre-clean visible accumulation of all debris in work area using HEPA vacuum equipment or wet cleaning methods.
4. Set up worker decontamination enclosure system satisfying requirements of WAC 296-62 at any location where there is a possibility of dust generation or PCB off-gassing. Once this system is installed and abatement commences, it shall be utilized in the specified manner for the ingress and egress of abatement personnel only. All personnel shall sign the Worksite Entry Log Book each time they pass in or out of the modified decontamination enclosure system. Remote decontamination enclosure

systems are not allowed.

5. Install airtight enclosure and air-purifying pressure differential fan system (negative pressure enclosure) at all interior areas. Discharge from air-purifying equipment shall be ducted outside the building.
6. Cover floors, walls and other objects below work area with plastic sheeting. Seal openings as directed by the Environmental Consultant.
7. Have emergency cleanup equipment and supplies, including HEPA vacuum, amended water, disposal bags, mop, buckets, towels and sponges, on hand prior to start of abatement work.

B. Compliance: No abatement work shall occur unless the work area has been found acceptable for Specification compliance by the Environmental Consultant. Notifications to perform PCB and asbestos abatement shall be posted at the work site. Abatement Subcontractor shall post appropriate PCB and Asbestos warning signs at entrances to work areas and warning/danger tape shall be posted on fence barriers at construction boundaries.

C. Isolated work area enclosure system maintenance. The Abatement Subcontractor shall be responsible for daily documentation of the following:

1. Prior to the first use and at the beginning of each shift during abatement work, containments shall be given a complete visual inspection by the Abatement Contractor's supevisor. This shall include inspection of the air-purification system and associated filters. A smoke tube test by the shift foreman shall then be made of the worker decontamination enclosure system and other critical areas to verify that the isolated area is under negative air pressure. Work shall not begin until the inspection is completed and all defects have been repaired.
2. Periodic inspections shall be made before, during and after each shift to ensure the proper functioning of the enclosure and HEPA filtered differential pressure fan system to prevent potential contaminant migration. The Contractor shall make every effort to ensure the integrity of the negative pressure enclosure at all times.

3.02 REMOVAL OF PCB-CONTAINING CAULKING AND CLEANUP

A. Perform all PCB related work and comply with the general safety and health provisions in conformance with Washington Administrative Code. Remove and properly dispose of all PCB-containing materials indicated in the Contract Documents in accordance with general work practices, and work practices for removal as specified in 40 CFR Part 761, all EPA guidance regarding the removal of PCB-containing caulking (sealant) and other appropriate work procedures approved by the Environmental Protection Agency (EPA), Washington Department of Labor and Industries, Washington Department of Health and Puget Sound Clean Air Agency, or as more stringently specified herein.

B. Contractor shall maintain a safe and uncluttered work site including staging area, work area, worker decontamination system, and waste load-out area at all times.

C. Contractor will isolate each work area and perform work at times and in a manner that will not result in the release or discharge of PCBs or asbestos in the air or dust, or the exposure to employees or other building occupants.

D. All building HVAC systems located in or near the regulated work area shall be shut down and isolated/sealed to prevent contamination.

E. Local HEPA-filtered exhaust ventilation is required anytime the potential for dust generation exists during the work activities.

F. Installation of a negative pressure enclosure is required when using mechanical removal methods, the potential for dust generation exists, or anytime indoor abatement work is occurring. All mechanical removal tools shall be equipped with HEPA-filtered dust collection system.

G. The work area shall be regulated and restricted from entry.

H. Contractor will account for and include all coordination and interface with other trades and the owner.

I. Contractor will be responsible for worker and environmental protection during remediation procedures as well as fall protection identification and its management for worker safety. Provide and manage all required worker personal protective equipment necessary to accomplish the work safely.

J. Carefully handle removed waste and equipment to prevent contaminant migration outside of the regulated work area.

K. Contractor shall remove all accessible caulking (sealants) located in the work scope areas using hand tools. No demolition of substrates will be performed as part of this work. No visible caulk residue shall remain in accessible locations. The contractor shall make every effort to minimize damage to substrates.

L. All PCB/asbestos contaminated materials shall be cleaned up and properly stored at the end of each work shift.

M. Remove caulking (sealant), wrap product in plastic sheeting (6-mil) or place in clear bags and deposit item into covered 55-gallon UN/DOT approved drums. Provide all necessary cleanup and spill response measures.

N. Contractor shall thoroughly clean the PCB-contaminated substrates to remain according to the Contractor's Work Plan included in the pre-work submittals and the instructions included with the epoxy sealer. The intent of this activity is to pre-clean all substrates for the application of the epoxy sealer. The contractor shall provide the products and all necessary equipment to apply the cleaner and the epoxy sealer.

O. Contractor will use all necessary engineering controls to prevent dust emissions during demolition. Vacuum machines shall be equipped with HEPA filters that are approved for hazardous materials remediation operations. All debris, tape, poly sheeting and worker/environmental protection equipment associated with PCB remediation shall be placed into the covered 55-gallon drums for proper disposal.

P. If necessary, sampling of the drums with PCB-containing materials and worker protection equipment shall be completed by the Environmental Consultant for confirmation waste disposal requirements.

Q. All tools that have come into contact with PCB and asbestos contaminated materials shall be properly cleaned prior to removal from the regulated work area.

R. If demolition of the PCB and asbestos-containing material creates dust and debris, these areas shall be thoroughly cleaned by wet wiping and HEPA vacuuming or other method to completely remove all contamination. No visible airborne dust or debris is allowed outside of the regulated work area or containment enclosure.

S. The Contractor is responsible for site security during the work.

3.03 EPOXY SEALER APPLICATION

A. The approved PCB epoxy sealer for this project is Sikagard 62, which contains no VOC's. The sealer must be used as intended by the manufacturer for the applicable substrate. All pre-application substrate cleaning must be in strict accordance with the manufacturer. The contractor shall follow all safety, handling, cleanup and disposal instructions.

B. The epoxy sealer must be applied over all locations where caulking was removed and a minimum of 2", in all directions, beyond all removed caulk boundaries. All epoxy coating boundaries must be taped to create straight lines.

C. The contractor shall apply two different colored coats of the epoxy sealer in all locations. The first coat of sealer must be the same RED color throughout the entire work scope area and shall fully and completely cover the substrate. The second coat of sealer must be the same TAN color throughout the entire work scope area and shall fully and completely cover the first coat so that the RED color of the first coat is not visible. The Environmental Consultant shall inspect and approve each coat of epoxy for complete coverage.

D. All drips and spills on building finishes must be fully cleaned up and repaired.

E. All equipment used for applying the epoxy sealer shall be presumed PCB and Asbestos contaminated and disposed of properly. The contractor shall not remove the enclosure until the epoxy has been properly applied as described above. All remaining epoxy sealer must be turned over to the Owner at the completion of the project.

3.04 DISPOSAL

A. The Contractor shall determine current waste handling, transportation, and disposal regulations for the work site and for each waste disposal facility. The Contractor must comply with these regulations and U.S. Department of Transportation and EPA requirements.

B. The Contractor shall supervise the packaging, storage, movement around the site and loading of all wastes.

C. Unless permitted by the Owner, Contractor shall remove containers from site within ten calendar days after collection for disposal or incineration at a site operated in accordance with the provisions of 40 CFR 761, no exceptions. Notify disposal site in advance of delivery to ensure immediate disposal.

D. The Contractor must notify the Owners Representative 72 hours prior to removal of the PCB-containing waste from the project site. No waste shall leave the site without the Owners Authorization. No exceptions.

E. The Contractor is responsible for ensuring that appropriate documentation completed and returned to the Owners Representative on a timely basis in accordance with the following; the signed transportation manifest from the hauler must be provided to the Owners Representative/Environmental Consultant within 24 hours of the waste leaving the site, Waste manifest signed by the waste acceptance facility must be provided to the Owners Representative/Environmental Consultant within 3 days of delivery to the waste facility.

F. Progress and or final payments will NOT be approved without the above disposal documentation properly signed and filled out. The intent of this requirement is to track the disposition of the "waste" at all times.

END OF SECTION 02 84 00

March 2001

SikaGard® 62

High Build Epoxy Coating

Technical Data Sheet

DESCRIPTION

Sikagard 62 is a two-component solvent free, high build coloured epoxy resin coating with high chemical resistance and approved for use in contact with potable (drinking) water.

USES

* On steel or concrete.
* Reservoir coatings.
* Bund linings.
* Food production areas.
* Cleanroom floors and walls.
* Pipe linings.
* Metal tank coating and lining.
* Nuclear industries.
* Aquariums.
* Process areas.

ADVANTAGES

* Excellent decontaminability.
* Hygienic.
* Non-taint.
* High film thickness.
* Solvent free.
* Excellent chemical resistance.
* Good abrasion resistance.
* Durable.
* Sprayable.
* Damp tolerant (no vapour pressure).
* Vapour proof.
* Suitable for drinking water contact.

FLOOR COATING SYSTEM

2 - 3 x **Sikagard 62**.	Can also be applied as a self smoothing topping if required. (Ensure use of spiked roller).
Material consumption:	Approx 0.2 - 0.4 kg/m^2 per coat. 0.2 kg/m^2 = 150µ D.F.T.

Technical Data (typical)

Colour:	Refer to colour chart and current price list for availability and minimum order quantities.		
Specific gravity:	Approx. 1.35 kg/litre		
Volume solids:	Approx 100%		
Application temperatures & humidity conditions:	+5°C min, +30°C max (Substrate and ambient) RH 90% max		
Substrate MC & RH:	≤4% by Wt or ≤75% RH		
Heat resistance:	Continuous exposure 60°C		
CHEMICAL RESISTANCE:	Refer to chart (Consult Sika Ltd for additional information)		
Additional application information:	+10°	+20°C	+30°C
Pot Life:	60 mins	30 mins	15 mins
Waiting time between coats			
min	18 hrs	10 hrs	5 hrs
max	3 days	2 days	1 day
Final drying times:			
Foot traffic	24 hrs	17 hrs	8 hrs
Lightly serviceable	6 days	4 days	2 days
Fully serviceable	15 days	12 days	9 days

Approved for potable water contact.
Certification available on request.

All above values are approximate.

SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm ^{2}) . Minimum pull off strength 1.5 N/mm ^{2}.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product form the **SikaDur® Sikafloor®** or **SikaGard®** range of materials.

Steel surfaces should be prepared to bright metal and subsequently degreased prior to coating.

MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300-600 rpm) for a minm of 3 minutes until a uniform mix has been achieved.Leave material to stand in container until the majority of air bubbles have dispersed.

APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH, **Sikafloor® EpoCem®** may be applied as a D.P.M. system

Three coats should be used for areas requiring high chemical and/or mechanical resistance.

The use of differing colours on each coat is recommended to aid correct coverage.

Apply by brush, roller or airless spray to the correct film thickness.

IMPORTANT NOTES

* Do not apply **SikaGard 62** on substrates in which significant vapour pressure may occur.
* **Thinner C** is flammable. NO NAKED FLAMES.
* Always ensure good ventilation when using **SikaGard 62** in a confined space.
* Quartz silica sand can be sprinkled on to **SikaGard 62** then sealed to form a slip resistance surface
* Freshly applied **SikaGard 62** should be protected from damp, condensation and water for at least 24 hours.
* Avoid puddles on surface.
* When intercoat times are exceeded abrade, wipe with Thinner **C** and recoat.
* For damp substrates scrub the first coat into the substrate.

CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

PACKAGING

Refer to latest price list

CONSUMPTION

Approximately 0.2 - 0.4 kg/m^2 (These figures do not allow for surface porosity, profile or wastage).
Maximum yield per pack - refer to current price list.

STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

Handling Precautions
Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

Important Note
The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

SIKA LIMITED
Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ
Tel: 01707 394444 Email: sika@uk.sika.com Fax: 01707 329129 www.sika.com

TAB 3
Field Observation Reports

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: North Star
PBS Site Observer(s): Cet Alvarez
Contractor on Site Personnel: Amoni Moss, and Erik Fuhriter
Project Manager (Yes) No Supervisor (Yes) No
Workers (Yes) No Name: Jason Olson
How Many? #± 12
Air Monitoring Personnel on site: Cet Alvarez

Project Name: Sky Valley Education Center
Project No.: 41373.0880 Date 7/26/16
Report No. 1 Time 6:00 am/pm
Page 1 of 1
Weather Clear Temperature 57° F
Summary Phase Status —
Other Personnel on Site - MSD, Mignzi Group, Inc.

WORK DESCRIPTION: PCB Abatement - caulking

WORKER PROTECTION - ½ Face w/ stacked filters.

METHOD OF REMOVAL: See Northstar Work Plan

OBSERVATIONS: 6:00 - Training by Doug Henry, Mignzi Group, Inc. (425) 398-2800
PCB banned in 1978
PEL - 42% chlorine
TWA - 1 mg/m³
STEL - 3 mg/m³
54% chlorine
TWA - 0.5 mg/m³
STEL - 1.5 mg/m³
PCB leaks into porous surfaces.
7:30 meeting is over, Erik Fuhriter discusses the work plan. The plan today is to set up only containment. They started setting up containment in Room E east. They have poly setting up on the inside of the room.
8:47 - NS. will not be doing any abatement today. PBS leaving site.

ITEMS OF CONCERN: Odor of mugwort in Annex Building still present.

CHANGES IN SCOPE: None

QUANTITY AND TYPE REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulking —	~~Ann~~ Annex, Pod, Library, Gym, etc.

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: C. Alvarez Date 7/26/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: North Star
PBS Site Observer(s): Cel Alvarez
Contractor on Site Personnel:
Project Manager Yes (No) Supervisor (Yes) No
Workers (Yes) No Name: Jason Olson
How Many? 8 + 1
Air Monitoring Personnel on site: Cel Alvarez

Project Name: Sky Valley Ed Ctr.
Project No.: 41373.000 Date: 7/27/16
Report No.: 2 Time: 6:00 (am)/pm
Page: 1 of 2
Weather: Clear Temperature: 57 F
Summary Phase Status: PCB Abatement RH-89%
Other Personnel on Site: MSD, Backflow NW

WORK DESCRIPTION: Exterior window PCB removal

WORKER PROTECTION: Double tyvek suits and ½ face respirator w/ double staeh cartridge

METHOD OF REMOVAL: PCB caulking removal method - see spec Sec. 028400

OBSERVATIONS: 6:00 NorthStar arrives onsite and have their morning stretch and flex. They also have their safety meeting and discuss their work plan. They begin setting up for exterior window at the SW area of the Annex building. They are placing drop poly under windows and use asbestos banner tape to regulate the area.
7:00 Workers completed setting up and regulating the area. They are suiting up and wearing 2 suits. They also are using a HEPA vacuum and wearing nitrile gloves. Advised N.S. to close all windows even if they are working on exterior. Per N.S., they were told to keep it open. Advised it needs to be closed. MSD reminded superviser to make sure workers wear gloves.
7:30 Workers were ready for clearance at the exterior of the girls restroom but they only removed the caulk on the metal frame. Advised they also need to remove the caulking on the bricks. Per supervisor, they are doing a better job using a razor scraper over a utility knife on a 5 in1. They are setting the girls restroom exterior again.
8:30 - Visually cleared window at Girl R.R. on the Annex Building Cont—

ITEMS OF CONCERN: None

CHANGES IN SCOPE: None

QUANTITY AND TYPE REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Annex caulking -	Annex

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: C. Alvarez Date 7/27/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor	Project Name Sky Valley Ed Ctr.
PBS Site Observer(s)	Project No. 41373 Date 7/27/16
	Report No. 2 Time am/pm
Contractor on Site Personnel:	Page 2 of 2
Project Manager Yes No Supervisor Yes No	Weather Temperature F
Workers Yes No Name:	Summary Phase Status
How Many?	Other Personnel on Site
Air Monitoring Personnel on site:	

WORK DESCRIPTION: Same

WORKER PROTECTION:

METHOD OF REMOVAL:

OBSERVATIONS: Cont. - Worker did a good job removing caulking from window frame (metal) and from brick. Visual passed.

9:00 - NS started at the NW corner exterior windows. They regulated the area with banner tape and have a poly drop cloths. They are setting up at the exterior of Room F and the green house of the Annex.

11:30

12:00 Workers break for lunch

12:15 Workers return from lunch. They do double suit and wear stack ½ face respirators before they start abating

13:00 - Workers continue to scrap caulking from the exterior of the south side and continue working at the north side. They also have their PUF tubes so they can work inside. They are working at Room E removing caulk from the inside. Worker wearing double suit, stack cartridge ½ face respirator, negative pressure, and using nitrile gloves.

14:30 - Workers removed all poly sheets from exterior walls and removed banner tape. They will continue tomorrow. PBS and N.S. leaving site.

ITEMS OF CONCERN: Caulking

CHANGES IN SCOPE: None

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulking	Annex

The individual signing certifies that the above information is correct and accurate.

Signature:

Name: C. Abney Date 7/27/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: North Star
PBS Site Observer(s): Cel Alvarez

Project Name: Sky Valley Ed. Ctr
Project No.: 41373.080 Date: 7/28/16
Report No.: 3 Time: 6:00 am/pm
Page: 1 of 2

Contractor on Site Personnel:
Project Manager: Yes (No) Supervisor (Yes) No
Workers (Yes) No Name: Jason Olson
How Many? 10+1
Air Monitoring Personnel on site: Cel Alvarez

Weather: Clear Temperature: 60 F
Summary Phase Status: —
Other Personnel on Site: MSD

WORK DESCRIPTION: Abatement of PCB caulking

WORKER PROTECTION: Double stack ½ face respirators and double suits, nitrile gloves

METHOD OF REMOVAL: See spec SEC. 028400

OBSERVATIONS: 6:00 Arrived onsite to verify the work plan for today. They are going to continue the south west side of the Annex Building and the North west area. They working inside containment at Room E east. They have negative pressure and
7:00 Workers still working at scrapping SW and NW areas and inside Room E east side. There is also a crew setting up containments only at the Pod/Library building.
9:00 Workers completed removing caulk from the southwest corner exterior windows. Visually check and all edges were removed on window edges on brick walls. Visually checked.
10:30 - Crew breaks for lunch. They de-suit from both tyvek suits and place suits into drums.
11:45 - Some workers return from lunch. They continue scrapping window edges.
12:00 - Visually cleared Room E windows at the exterior side. Visual clearance passed.
1:45 - Visual clearance passed on exterior of Room F and Greenhouse

ITEMS OF CONCERN: Interior of Annex classrooms.

CHANGES IN SCOPE: None

QUANTITY AND TYPE REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulking: 371 LF	Annex

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: C. Alvarez Date: 7/28/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor	Project Name Sky Valley Ed Ctr.
PBS Site Observer(s)	Project No. 41393.000 Date 7/28/16
	Report No. 3 Time 6:00 am/pm
Contractor on Site Personnel: Same CA	Page 2 of 2
Project Manager Yes No Supervisor Yes No	Weather Temperature F
Workers Yes No Name:	Summary Phase Status
How Many?	Other Personnel on Site CA same
Air Monitoring Personnel on site:	

WORK DESCRIPTION:

WORKER PROTECTION: same CA

METHOD OF REMOVAL:

OBSERVATIONS:

14:00 - Workers begun to seal up containments and remove all drop poly from exterior of building. They also remove the marking cones and banner tape from exterior of the building. They are going to finish up tomorrow.

1430 - PBS leaving site.

ITEMS OF CONCERN: Interior of Annex classrooms

CHANGES IN SCOPE: None

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
caulking: 337 LF	Annex

The individual signing certifies that the above information is correct and accurate.

Signature:

Name: C. Alvarez Date 7/29/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Asbestos Contractor: North Star
PBS Site Observer(s): Cel Alvarez
Project Name: Sky Valley Ed Ctr.
Project No.: 41873.000 Date: 7/29/16
Report No.: 4 Time: 6:00 am/pm
Page: 1 of 2

Contractor on Site Personnel:
Project Manager: Yes (No) Supervisor (Yes) No
Workers (Yes) No Name: Jason
How Many? 8+1
Air Monitoring Personnel on site: Cel Alvarez
Weather: Clear Temperature: 60 F
Summary Phase Status: —
Other Personnel on Site: MSD

WORK DESCRIPTION: Caulking removal on exterior and interior window framing.

WORKER PROTECTION: Standard ½ face respirator, double suits, nitrile gloves

METHOD OF REMOVAL: Razor scraping, metal brushing, oscilating tool scrapper, etc.

OBSERVATIONS: 6:00 Arrived onsite and met up with NS supervisor. The scope of work is to continue with setting up in the Pod and Library. They are going to be working inside containment at rooms F east and west. They are prepping for caulking removal still. They are expecting to receive the encapsulant sometime next week. For now, we are just removing the caulk.
7:00 Observing workers wearing ½ face respirator, Double tyvek suits, and nitrile gloves inside containment. They also have a negative air machine running and venting out the window.
8:00 - Jason, supervisor, and I go over our quantities on the Annex building. My total quantity in the south side is 363.75 LF but in quantities are more, so we spend time walking through the Annex building just to see what areas and quantities he has removed.
10:00 - Debora Perlin P. is onsite with other contractors, he is showing contractors the Annex building and other area. He asked how we are doing. He also wanted to know which areas he can take his contractors through. I advised him to not enter any of the containments cause we have not cleared it yet. NS also advises him they still don't have the encapsulant and sealants.

ITEMS OF CONCERN: None

CHANGES IN SCOPE: None

QUANTITY AND TYPE REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulk - 363.75 LF	Annex Pod/Library

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: C. Alvarez Date 7/29/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor See Page 1

PBS Site Observer(s) CA

Contractor on Site Personnel:

Project Manager Yes No Supervisor Yes No

Workers Yes No Name:

How Many?

Air Monitoring Personnel on site:

Project Name Clay Valley Ed Ctr

Project No. 41737-30 Date 7/29/16

Report No. 4 Time am/pm

Page 2 of 2

Weather Temperature F

Summary Phase Status CA

Other Personnel on Site see page 1

WORK DESCRIPTION: see page 1

WORKER PROTECTION: CA

METHOD OF REMOVAL:

OBSERVATIONS:

11:00 Devlin also wanted to confirm I took pictures of the areas where caulking was removed per EPA's request. I advised him we are definitely doing that. NS also breaks for lunch. Devlin also wanted to know if we sample the ceilings in the pod/library. I advised him I will find out by checking the reports. If we did not, we can sample it for him.

12:00 - Going to sample a piece of the ~~ballast~~ fixtures that house the ballast. I had to use some metal cutting shears to get a piece. I place the piece in a glass jar. Taking sample to Onsite enviromental for 5 day TAT.

1300 - Workers continue to abate caulking at the exterior of POD 18, 19, 20. They are wearing their PPE. They are also working at the Northwest exterior and interior of the Annex building.

14:10 - Workers start to wrapp thing up for the day. Advise supervisor to seal all containments.

14:30 - PBS Leaving Site.

ITEMS OF CONCERN: None

CHANGES IN SCOPE: None

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulking	Annex
	Pod
	Library

The individual signing certifies that the above information is correct and accurate.

Signature:

Name: C. Alvarez Date 7/29/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: North Star
PBS Site Observer(s): Cel Alvarez
Project Name: Sky Valley Ed Ctr.
Project No.: 413313
Date: 7/29/16 8/1/16
Report No.: 5
Time: 6:00 am/pm
Page: 1 of 2
Contractor on Site Personnel:
Project Manager: Yes / No
Supervisor: Yes / No
Weather: clear
Temperature: 60's F
Workers: Yes / No
Name: Jason Olson
How Many? 8-1
Summary Phase Status
Other Personnel on Site: MSD and Landscapers
Air Monitoring Personnel on site:

WORK DESCRIPTION: Remove of caulking around exterior and interior of building

WORKER PROTECTION: Double stacked 1/2 face respirators, double suits, nitrile gloves

METHOD OF REMOVAL: Razor scraping, metal brushing,

OBSERVATIONS: 6:00 - Arrived onsite. NS is doing morning stretch and flex. They are continuing working at the pods/Library.
8:00 - Gregg M. shows up onsite. 11:15: Gregg leaves site.
Gregg reviewed areas in the Annex NW rooms. There was debris on the inside and outside of containment, negative pressure machine must have charcoal filters attach and vent to the outside, seal top of unit vents so debri doesn't fall inside. He also noticed the smell of chemical still lingering in the Annex and suggested to air it out more. I will open windows and try to get some air moving in the Annex. We also have to sample for lead in the pods, Library, and Annex at the ceilings - Per NS, they will go back and redo everything that was pointed out.
11:15 Gregg leaves site.
11:45 Advised Monitored work by Ventilation Power Cleaning, Inc. and noticed while they were cleaning ducts that they were not removing all the dust in the duct work. I asked their scope of work and they said they were to only clean the duct and did not have a scope of work. cont.

ITEMS OF CONCERN: Dust present in duct work.

CHANGES IN SCOPE: None

QUANTITY AND TYPE REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulking	

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: Cel Alvarez Date 8/1/16

cont.

RPY 5

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley | PROJECT NO ~~40008.233~~ 41373.000 | DATE: 8/1/16

ABATEMENT CONTRACTOR: North Star | PBS OBSERVER: Cel Alvarez | PAGE: 2 of 2

K DESCRIPTION: —

OBSERVATIONS: 12:00 Duct work cleaners agreed to reclean the duct they already did but they started will start tomorrow. They are going to finish what they started and return later to reopen the duct work.
13:00 D.S. Erik Fowler and Amani Moss show up on site. They had a private moment with Jason Olson their supervisor.
14:00 D.S. starts to wrap things up. They are securing the containment area and shutting the windows.
14:30

individual signing certifies that the above
mation is correct and accurate.

Name: C. Alvarez

Signature: [signature] Date: 8/1/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: North Star
PBS Site Observer(s): Cel Alvarez
Project Name: Sky Valley Ed Ctr
Project No.: 4353.006 Date: 8/2/16
Report No.: 6 Time: 7:00 am/pm
Page: 1 of 2
Contractor on Site Personnel:
Project Manager: Yes (No) Supervisor (Yes) No
Workers (Yes) No Name: Jason Olson
How Many? 841
Air Monitoring Personnel on site: Cel Alvarez
Weather: Cloudy Temperature: 57 F
Summary Phase Status: —
Other Personnel on Site: Ventilation Power Cleaning, Inc

WORK DESCRIPTION: Removal of PCB caulking and cleaning of duct work.

WORKER PROTECTION: 1/2 face respirator w/ stacked cartridges, double suits, nitrile gloves, etc.

METHOD OF REMOVAL: Razor scrapping, metal brushing, etc.

OBSERVATIONS: 6:00- Arrived onsite and made sure all containments were still holding. I notified supervisor that any holes need to be taped up and sealed when we go home for the night. I opened the windows & could in the Annex and set up fans.
6:00 Visually check prep room F and Room E. Advised there is still caulking on metal. There is a caulk film on the metal window frame. Also visually check Room E east and west. They still have caulking film on metal frame.
9:00 - NS has a worker continuing to remove caulking in prep room F and Room E. They have a negative air machine running with a charcoal filter which is ventilating to the outside. Worker is wearing 1/2 face respirator.
10:00 - Starting my paint chip samples in the pods and Library ceiling. I am using a paint scrapper and placing chips in the bags. When I am done, I will take them to onsite environmental to be analyze for 3 TAT. Also inspected areas where duct work was opened and cleaned again and it was cleaned but there is still was dust left over in the duct work. Workers should ready in and clean it thoroughly.

ITEMS OF CONCERN: Duct work not completely cleaned

CHANGES IN SCOPE: None.

QUANTITY AND TYPE OF REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulking	Annex and POD/Library

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: Cel Alvarez Date 8/2/16

#6

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley | PROJECT NO ~~40008.233~~ 41373.000 | DATE: 8/2/10

ABATEMENT CONTRACTOR: North Star | PBS OBSERVER: Cal Alvarez | PAGE: 2 of 2

WORK DESCRIPTION: Caulking abatement

OBSERVATIONS: 12:00 Took pictures of duct work above pods. Per Gregg M., I request VPC to keep the duct work open where they cut opened and have the client take a look the next day.
1300 - Left site to take PB samples to Onsite Environmental. I requested the NS superviser if they could close the windows when they leave the site. He agreed.

Individual signing certifies that the above information is correct and accurate.

Name: C. Alvarez

Signature: [signature] Date: 8/2/10

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: North Star
PBS Site Observer(s): Cel Alvarez

Project Name: Sky Valley Ed. Ctr.
Project No.: 41373.000 Date: 8/3/16
Report No.: 7 Time: 6:00 am/pm
Page: 1 of 2

Contractor on Site Personnel: Amani Moss
Project Manager: Yes No Supervisor: Yes No
Workers: Yes No Name: Jason Olson
How Many? 8
Air Monitoring Personnel on site: Cel Alvarez

Weather: cloudy Temperature: 65 F
Summary Phase Status: —
Other Personnel on Site: Ventilation Power cleaning, Inc.

WORK DESCRIPTION: Caulking removal

WORKER PROTECTION: Double stacked ½ face respirator, double tyvek suit, negative pressure.

METHOD OF REMOVAL: Razor scrapping, brushing, etc.

OBSERVATIONS: 6:00 Arrived onsite with NS. They are stretching before their shift. I did walk through all the buildings during abatement. I also opened all the accessable windows in the Annex buildings. The fans were running over night. Inspected all the containments ~~over~~ and there were 2 containments not tightly sealed in Room E east and west. I sealed it myself with duct tape and poly.
7:00 Amani Moss shows up onsite. school Janitor Dean, asked if the music room was finally cleared. I advised it passed clearance and if there is no asbestos banner tape then it is good to access.
8:00 - workers continue ~~started~~ abating residual caulking at Rm F and Prep Rm F. Workers wearing ½ face respirator and tyvek suits (2). They are scrapping harder.
8:00 - Erik Brunton and Amani Moss from NS are onsite. They are going to use Goof Off to chemically remove the light film of caulk left behind.
10:00 - Dustin P. shows up onsite to take a look at the work in the Annex and wonders why light fixture are still up. NS they are going to start on it on monday.

ITEMS OF CONCERN: Dust work

CHANGES IN SCOPE: Goof Off spray being used

QUANTITY AND TYPE ~~WASTE~~ REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulk Abatement	Annex Pods

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: C. Alvarez Date 8/3/16

#7

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley Ed Ctr PROJECT NO ~~40008.233~~ 41373.000 DATE: 8/3/16

ABATEMENT CONTRACTOR: PBS OBSERVER: Cel Alvarez PAGE: 2 of 2

K DESCRIPTION: Caulk Abatement

OBSERVATIONS: Devlin also inspects the ductwork above the Pods. He asked ~~the~~ VPC to remove one of the panels they just cleaned. Devlin was able to feel out the surface inside the ductwork and had dust on his fingers. He asked them the go back and clean out the areas they did again but leave the panels open.

11:00 - NS breaks for lunch.

11:45 NS returns from lunch. They suit up and continue working at Pods 6, 5, 4. They are using Goof Off to remove the final film of caulking on the metal and scrubbing the brick with metal brushes

12:45 - Jason and I inspected rooms in the Annex. They have the PrepRoom F ready. Visual clearance passed for that area. The other area that passed my visual was #9 (Pod).

1400 Receive call from Gregg M. NS should be sending in a change in method request if they are going to be using Goof Off. I notified NS supervisor and he'll let his Manager know. Advised ~~they~~ them to only use it on metal surfaces. Advised they it is volatile and many linger after for awhile.

1430 - PBS Leaving site.

individual signing certifies that the above
rmation is correct and accurate.

Name: C. Alvarez

Signature: [signature] Date: 8/3/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor North Star	Project Name Sky Valley Ed Ctr.
PBS Site Observer(s) Cel Alvarez	Project No. 41873.000 Date 8/4/16
	Report No. 8 Time 6:00 am/pm
Contractor on Site Personnel:	Page 1 of 2
Project Manager Yes No Supervisor Yes No	Weather Clear Temperature 55-77 F
Workers Yes No Name: Jason Olson	Summary Phase Status —
How Many? 8	Other Personnel on Site VPC
Air Monitoring Personnel on site: Cel Alvarez	

WORK DESCRIPTION: Caulking removal

WORKER PROTECTION: ½ face respirators ~~[illegible]~~ with stack filters.

METHOD OF REMOVAL: Razor scrapping, metal brushing, ~~[illegible]~~ some chemical w/ "Goof Off"

OBSERVATIONS: 6:00 Arrrived onsite with NS doing stretch and flex. I also opened all accessable windows and have left all the fans running all night.
6:20 Devlin P. shows up onsite to view the duct work. Also would like NS to remove the ~~[illegible]~~ all light fixtures in the Annex and North Pod by monday. Also would like the buildings cleared for all PCB caulking so we can run PCB air clearances.
7:00 - Advised NS that their air sample (personal) ~~did no~~ was above the TWA PEL results. Advised supervisor they to maintain wearing their respirator and ~~[illegible]~~ tyvek suits.
8:00 Work continues and repeating cleaning Room F Prep room. They are also redoing the rooms in the PODs. Workers are wearing their tyvek suits and using a HEPA vac to clean up the debri. Per supervisor, they still are not recieving their sealant.
9:00 - Going through pods to try and visually clear. We are trying to clear Rooms 20 through 1. They have going through it again and using different tools to remove some tough stuck areas.
10:30 - So far only Rooms I've cleared is Pod #18.

ITEMS OF CONCERN: PODs

CHANGES IN SCOPE: None

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulk	Annex
	Pod
	~~Library~~ library

The individual signing certifies that the above information is correct and accurate.

Signature: [signature]
Name: C. Alvarez Date 8/14/16

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley Ed Ctr PROJECT NO ~~40008.293~~ 41373.000 DATE: 8/4/16

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: Cel Alvarez PAGE: 2 of 2

K DESCRIPTION: Caulking Abatement

OBSERVATIONS: 11:00 - Gone through PODs and so far #6, 7, 9, 14, and 15 passed. All the caulk is gone. The floor is clean of any debris. The unit vents have been HEPA vac thoroughly.

12:00 - Returned from lunch and inspected more and advise to continue again. It spent time trying to remove some caulking behind vertical column to the left of the window in the interior of Room #20. There was still caulking behind metal column. Supervisor will try a different tool tomorrow.

1:00 - Worker continues cleaning PODs that did not ~~clear~~ passed clearance

14:15 - Closed all windows of the lower half of the Annex but kept the fans running.

14:30 - Leaving site.

Individual signing certifies that the above information is correct and accurate.

Name: Cel Alvarez

Signature: [signature] Date: 8/4/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: North Star
PBS Site Observer(s): Cel Alvarez
Contractor on Site Personnel: Amani Moss
Project Manager (Yes) No Supervisor (Yes) No
Workers (Yes) No Name: Jason Olson
How Many? 10+1
Air Monitoring Personnel on site: Cel Alvarez

Project Name: Sky Valley Ed Ctr.
Project No. 41393.000 Date 8/5/16
Report No. 9 Time 6:00 (am)/pm
Page 1 of 2
Weather: Clear Temperature 57-77 F
Summary Phase Status: — RH 84%
Other Personnel on Site: VPC

WORK DESCRIPTION: Caulking and Light Fixture Removal

WORKER PROTECTION: ½ face respirator with stacked filters/double tyvek suit/nitril gloves

METHOD OF REMOVAL: Razor scraping, metal brush, Goof off (caulk), Light fixture is wrap i cut

OBSERVATIONS: 6:00- Arrived on site and opened all the accessable window at the Annex and kept the fans running. NS employees do their morning stretches. They are going to remove the light fixtures in the Annex building and continue with the caulking removal today.
8:00- Jason and I spent time visually inspection the rooms in the POD. They have containment built inside the rooms. They have a negative air machine w/ a Leco charcoal filters in pod they are actively abating the caulk. They are wearing their ½ face respirators, tyvek suits (double), nitrile gloves. Jason Olson and I go inside to the pods to visually inspect the containments- I cleared #7, 5, 8, 13, & 17, & 20. The floors were clean of debris also the vent units. There was no caulking on the metal vertical panels and the brick and also on the CMU panels in these pods. They still need to clean some more Pods. but they are getting there.
10:00 NS continue to remove caulking the Pods. They have negative air machines in some of the containments but per Jason they've has ordered more but that is still none available.
11:00- Workers break for lunch

ITEMS OF CONCERN: None

CHANGES IN SCOPE: None

QUANTITY AND TYPE ~~MSF~~ REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulking	Annex Pods / Library

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: Cel Alvarez Date 8/5/16

#9

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley Ed Ctr PROJECT NO ~~40008.233~~ 41353.000 DATE: 8/5/16

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: CA PAGE: 2 of 2

WORK DESCRIPTION: Cattle Waste

OBSERVATIONS:

11:45 Workers return to lunch and they continue with abating the room/pods. They are wearing their tyvek suits and ½ face respirators.

13:00 - Workers setting containments in the Annex for cattle removal

14:00 - NS wrap things up for the night.

14:30 - Leaving site.

. individual signing certifies that the above mation is correct and accurate.

Name: Cal Alvarez

Signature: [signature] Date: 8/5/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: North Star
PBS Site Observer(s): Cel Alvarez

Project Name: Sky Valley Ed Ctr
Project No.: 41333.000 Date: 8/8/16
Report No.: 11 Time: 6:00 am/pm
Page: 1 of 2

Contractor on Site Personnel:
Project Manager: Yes (No) Supervisor (Yes) No
Workers (Yes) No Name: Jason Olson
How Many? 10+1
Air Monitoring Personnel on site: Cel Alvarez

Weather: Rain Temperature: 57-64 F
Summary Phase Status: —
Other Personnel on Site: —

WORK DESCRIPTION: PCB caulk removal & Light fixtures

WORKER PROTECTION: 1/2 face respirator w/ stock filters/tyvek suits/ nitrile gloves

METHOD OF REMOVAL: Razor scraping, wire brush, Goof Off / wrap and remove Light fixtures

OBSERVATIONS: 6:00 Arrived onsite to observe the odor in the Annex. I entered and noticed the odor has improved from over the weekend. We will continue to open all the windows and run the fans when we start our shift. NS does their stretches befor shift. The plan for today is to continue with the caulking remove at the POD and complete the light fixture removal at the Annex and Pod Library.
7:00 - Workers suit up w/ 1/2 face respirator and tyvek suits. They wrap up the light fixtures using a scissor lift to reach the fixtures. Workers wrap it with poly and duct tape. They are in Room B.
8:00 - Jason Olson and I inspected Rooms 1, 2, 3, and 10. All these rooms passed inspection. All the gray caulks has been removed from the vertical metal slates.
9:45 - Recieve phone call from Gregg M., we discussed the work being done inside the containments. Since NS failed their PEL on PCB put samples, at 1 ppm, we determined they should have all containments to have all of them with negative pressure.

ITEMS OF CONCERN: Containments need to be in negative pressure - Personal Air samples did not pass PEL, we asked them to ~~resample~~ continue resampling.
CHANGES IN SCOPE: None

QUANTITY AND TYPE REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulk	Annex
Light Fixtures	Pod
	Library

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: Date

#10

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley Ed Ctr. PROJECT NO ~~40008.233~~ 41373.000 DATE: 8/8/16

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: Cel Alvarez PAGE: 2 of 2

K DESCRIPTION: Caulk and light fixture

OBSERVATIONS: 11:00 Lunch break

11:45 - NS return from work and continue with light removal. They are continuing setting up in the Admin building. Advised supervisor, they need to spend more time setting up containment and making sure it is a tight seal. ~~For~~ They also need to change their cartridges more often. NS ~~should be~~ does not have the sealants to day. They apparently don't have the right type. I also advised supervisor they need to tape off ~~marker~~ areas they are painting so it has clean straight lines.

12:30 - NS removing wrapped fixtures outside near dumpster at the north area of building. Advised NS we need more air data on Pvt Results.

13:30 - Workers continue with work and no changes to scope

14:30 - NS wrapped up site and secured the building

individual signing certifies that the above
rmation is correct and accurate.

Name: Cel Alvarez

Signature: [signature] Date: 8/8/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor North Star	Project Name Sky Valley Ed Ctr
PBS Site Observer(s) C. Alvarez	Project No. 41273.000 Date 8/10/16
	Report No. 11 Time 6:00 am/pm
Contractor on Site Personnel:	Page 1 of 2
Project Manager Yes (No) Supervisor (Yes) No	Weather Clear Temperature 53 F
Workers (Yes) No Name: Jason Olson	Summary Phase Status —
How Many? 10+1	Other Personnel on Site Staff
Air Monitoring Personnel on site: C. Alvarez	

WORK DESCRIPTION: Caulking and light fixtures

WORKER PROTECTION: ½ face respirator, tyvek suits and nitrile gloves

METHOD OF REMOVAL: Negative pressure enclosure, razor scrapping

OBSERVATIONS:

6:00 Arrived onsite w/ NS. I still observed odor in the room with the Annex even though we are still leaving the widows open during the day and running fans to air out the smell. NS is doing their ~~daily~~ daily stretch an flex. The scope of work today is to prep the ~~Annex~~ Admin with containments for the caulking removal. They are also ~~ta~~ taping the edges and prepping for mastic removal. They are also removing the light fixtures in the Annex. Workers are using a lift and PPE to ~~remove and~~ seal w/ poly and remove the light fixtures.

7:00 Per Gregg, I need to run air clearance for the Pods. Today I will be running air clearances for the North Pods/Rooms 15-20. This is for asbestos because NS was scraping caulk on the CAB. The rooms did have containment set up and passed visuals.

11:00 Pulled the last air clearance. NS takes their break. I will be reading my air samples later.

12:00 NS continues to prep the Annex for epoxy application.

ITEMS OF CONCERN: Pod ACM air clearance

CHANGES IN SCOPE: No

QUANTITY AND TYPE ~~ACM~~ REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulk and light fixtures	Admin
	Annex
	Pods

The individual signing certifies that the above information is correct and accurate.

Signature: [signature]

Name: C. Alvarez Date 8/10/16

#11

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley Ed Ctr PROJECT NO ~~40008.253~~ 41373.000 DATE: 8/10/16

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: Cel Alvarez PAGE: 2 of 2

K DESCRIPTION: Caulk ~~of~~ Abatement and Epoxy Application

OBSERVATIONS:

12:00 worker return from lunch and continue working in the Admin with caulking abatement. They are wearing tyrek suits and 1/2 face respirator. They also have negative air machines with charcoal filters running.

13:00 - NS continues to abate caulking ~~and~~ inside the Admin.

14:30 - NS has wrapped up their work for the day. We secured the Annex by shutting all the windows.

individual signing certifies that the above
rmation is correct and accurate.

Name: Cel Alvarez

Signature: [signature] Date: 8/10/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: North Star
PBS Site Observer(s): Cel Alvarez
Project Name: Sky Valley Ed Ctr.
Project No.: 41973.000 Date: 8/11/16
Report No.: 12 Time: 8:00 (am)/pm
Page: 1 of 2
Contractor on Site Personnel:
Project Manager Yes (No) Supervisor (Yes) No
Workers (Yes) No Name: Jason Olson
How Many? 9+1
Weather: Clear Temperature: 61-75 F
Summary Phase Status: —
Other Personnel on Site: Staff
Air Monitoring Personnel on site: Cel Alvarez

WORK DESCRIPTION: Caulking and Light fixtures

WORKER PROTECTION: ½ face respirator and tyvek suits w/ nitrile gloves

METHOD OF REMOVAL: Negative pressure enclosure, razor scrapper, wire brush

OBSERVATIONS:

8:00 - Arrived ~~a little~~ on site and meeting with supervisor. He said the 1st coat sealant still has not arrived. They should be getting it tomorrow. Workers are tape edges ready for paint sealant in the Pod classroom. They also have workers with suits and ½ face respirators remove light fixtures in the Pod/Library area. They removing caulking from the exterior of the Pods. NS also had completed removing caulking from the Admin Building. I will inspect today. ~~Later~~ PBS is also running air clearance for all the Pod Rooms.

9:00 - Setting air clearance for Pod containment room. Workers are wearing their respirators and tyvek suits w/ gloves inside containment while they are taping for paint. They are also removing the caulking on the outside of the pods and are continuing remove lighting fixtures and disposing them and disposing the ballast area. They are wearing all their PPE.

10:00 No change in work practices

11:00 - ~~Remove~~ NS ~~went away~~ breaking for lunch

ITEMS OF CONCERN: None

CHANGES IN SCOPE: 2:00 pm Per Devlin, they will be using a gray instead of a red base coat.

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulk	Admin
Light fixtures	Annex Pod/Library

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: C. Alvarez Date 8/11/16

#12

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley Ed Ctr PROJECT NO ~~40008.233~~ 41373.000 DATE: 8/11/16

ABATEMENT CONTRACTOR: NStar PBS OBSERVER: Cel Alvarez PAGE: 2 of 2

K DESCRIPTION: Caulking and Light Fixture Removal

OBSERVATIONS:

11:45 - Returning from lunch.

12:30 - No change in work. They are setting up areas for painting and removing ~~the~~ more caulk at the exterior of the pods on CAB.

13:30 - ~~They~~ Per supervisor they will be receiving the Gray epoxy paint today. Per Devlin, they have ~~to~~ been approved to use the gray paint till the red arrives. NS will try to coat the base layer tomorrow.

1430 - PBS and NS is leaving job site. Every door and window was shut for the evening.

individual signing certifies that the above
ormation is correct and accurate.

Name: Cel Alvarez

Signature: [signature] Date: 8/11/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor North Star	Project Name Sky Valley Ed Ctr.
PBS Site Observer(s) Cel Alvarez	Project No. 41373.000 Date 8/12/16
	Report No. 13 Time 7:00 am/pm
Contractor on Site Personnel:	Page 1 of 1
Project Manager Yes No Supervisor Yes No	Weather CLEAR Temperature 60-80 F
Workers Yes No Name: Jason Olson	Summary Phase Status —
How Many? 9+1	Other Personnel on Site —
Air Monitoring Personnel on site: Cel Alvarez	

WORK DESCRIPTION: Caulking removal and painting sealant

WORKER PROTECTION: ½ face respirator, tyvek suits, nitrile gloves

METHOD OF REMOVAL: Razor scrapping, wire brushing in containment

OBSERVATIONS:

7:00 Arrived onsite and NS is already prepping Annex on the exterior of building for painting base layer. Per assistance supervisor, ~~one~~ 2 of the mixing agent ~~is~~ is expired but they had some that was not. Worker painting is wearing tyvek suit and ½ face w/ stack cartdyes. I advised the supervisor that negative containments need to have charcoal filtered neg air machines. Painting will start at the SW room of the Annex.

8:00. Per NS, the paint harden before they could apply it to the wall and the window. Supervisor called manufacture and they are suppose to mix only small batches. They going to wait till they find out what to do with the rest of the remaining paint.

9:00 - Workers removing exterior paint at the east side of the pods from the CAB panels. They regulated the area and use a drop poly taped to the floor and they have a HEPA vac close by. They are using razor scrappers, ~~p~~ scrubbers, and some goof off. They are wearing their ½ face respirator and tyvek suits with nitrile gloves. All the caulk is being placed in asbestos waste labelled bags.

ITEMS OF CONCERN: Window caulking and light fixtures

CHANGES IN SCOPE: Going to gray base coat epoxy instead of red

QUANTITY AND TYPE ~~ACM~~ REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulk	Admin
Light fixture	Annex
	Pod/Library

The individual signing certifies that the above information is correct and accurate.

Signature: [signature]

Name: Cel Alvarez Date 8/12/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor North Star
PBS Site Observer(s) Cel Alvarez

Project Name Sky Valley Ed Ctr.
Project No. 41373.000 Date 8/15/16
Report No. 14 Time 6:00 am/pm
Page 1 of 2
Weather Clear Temperature 57-80 F
Summary Phase Status —
Other Personnel on Site McKinstry.

Contractor on Site Personnel:
Project Manager Yes No Supervisor Yes No
Workers Yes No Name: Jason Olson
How Many?
Air Monitoring Personnel on site: Cel Alvarez

WORK DESCRIPTION: Caulking removal and light fixture

WORKER PROTECTION: ½ face respirator, tyvek suit, nitrile gloves

METHOD OF REMOVAL: Razor scraping, wire brush, scrubbing pads/wrap and cut fixtures.

OBSERVATIONS:

6:00 Arrive onsite with NS moving stretch and flex. The plan for the day is to remove more light fixtures in the common area of the pods and the library. They are also replacing the charcoal filters for the first time today. They are replacing their ½ face respirator cartridge at least once a week. They are also removing the caulking at the north end of the the Admin building.

7:00 I set up the lead monitoring low flow pump on an McKintry employee, Sean Miller, for TWA. They will be attaching light fixtures in the Pods/Library today and will be drilling into LCP in the ceiling.

8:00 Workers continue to remove more light fixtures from the Pods along the meeting area and in the library. They are continuing from removing caulk on the exterior of the Admin at the north end.

9:00 Per supervisor, they are going to recieve the encapsulatent/epoxy this afternoon. We ~~will~~ are going to take photos of the work.

They have been working quite a bit on disposing of the caulking from the exterior of the Admin Building.

ITEMS OF CONCERN: None

CHANGES IN SCOPE: None

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:
Caulk and Light Fixture

BUILDING/AREA/LOCATION
Annex
Admin
Pod/Library

The individual signing certifies that the above information is correct and accurate.

Signature: [signature]
Name: Cel Alvarez Date 8/15/16

#14

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ 41373.000 PROJECT NO ~~40008.233~~ 41373.000 DATE: 8/15/16

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: Cel Alvarez PAGE: 2 of 2

WORK DESCRIPTION: Caulk and light fixture

OBSERVATIONS:

10:00 - Working on trying to download photo for before and after. We need per Perkins, a before and after caulking on the building. Monty forward will take photos of before and after.

11:00 - workers take lunch

11:45 - NS return from lunch. They continue to remove caulking from the Admin

12:00 - They are putting the sealant in the SW windows of the Annex. NS is currently mixing small batches of paint so it doesn't solidify on them when they paint.

13:00 - No change in work practices.

14:00 - NS noticed they were painting the windows frame and the non-porous area metal area was not coating evenly. They let it dry a little and coated it the second time and it worked.

14:30 NS and PBS leaves site and will continue tomorrow.

individual signing certifies that the above ormation is correct and accurate.

Name: C. Alvarez

Signature: Date: 8/15/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor North Star (NS)
PBS Site Observer(s) Cel Alvarez

Project Name Sky Valley Ed Ctr.
Project No. 41973.080 Date 8/16/16
Report No. 15 Time 6:00 am/pm
Page 1 of 2
Weather Clear Temperature 59-77 F
Summary Phase Status RH - 89%
Other Personnel on Site Mekinstry

Contractor on Site Personnel:
Project Manager Yes (No) Supervisor (Yes) No
Workers (Yes) No Name: Jason Olson
How Many? 9+1
Air Monitoring Personnel on site: Cel Alvarez

WORK DESCRIPTION: Caulking removal and Light fixture removal

WORKER PROTECTION: ½ face respirator, tyvek suit, nitril gloves.

METHOD OF REMOVAL: Razor scraping, wire brush, hepa vac, wrap and cut light fixture.

OBSERVATIONS:

6:00 Arrived on site and NS is stretching and flexing. Workers will continue abating the caulking at the exterior of the two Admin buildings. Workers will also be prepping more areas for painting.
6:30 Discussion with supervisor about the base layer. They are only painting the areas that did not have any epoxy red. They are leaving the gray paint. Per supervisor Detrick Perlin said it was approved. I confirmed with Perlin that it will be okay.
8:00 - Visually checked the base coating of the Annex and they looks like a good base layer. They are also moving to the Pods to start there, too. They did missed at an area on the beams in Room F. Per supervisor, they are going to fix it.
9:00 NS is continuing abating the caulking at the exterior of the Admin building in the NE area and the west elevation wall at the north end
10:00 Perlin shows up to notify us we need to get the Pods done this week and the Annex so we can run PCB air clearance on the August 23rd. Workers abating caulk on the SE corner exterior of the Admin building.

ITEMS OF CONCERN: None.

CHANGES IN SCOPE: None

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulk and Light Fixtures	Annex
	Pod Library
	Admin

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: C. Alvarez Date 8/16/16

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley Ed Ctr PROJECT NO ~~40008.233~~ 4373.000 DATE: 8/16/16

ABATEMENT CONTRACTOR: NorthStar PBS OBSERVER: Cel Alvarez PAGE: 2 of 2

WORK DESCRIPTION: Caulking removal and light fixtures

OBSERVATIONS:

11:00 NS breaks for lunch. They completed the first layer for Room 16, 17, 18, 19, 20. All done in the Annex for the base layer. They are going to start the top epoxy for the Annex and then rooms in the Pods.

~~10:45~~ 11:45 NS returns from lunch and they continue with the removal of the caulking at the exterior windows of the Admin building. Supervisor finding gummy caulk above the top area of the window. I advise that report shows a gray sample. Advise to treat as ~~non~~ PCB containing, which per spec's all visible caulk must go.

12:30 - There are 2 workers applying the paint. They are still wearing their ½ face respirator and tyvek suits. One is mixing while the other is painting.

1300 - NS received visual clearance for the room for Karen Rosencrans and Sarah Perry room. NS will have a worker prepping room for painting the epoxy base layer coating.

14:00 - PBS completed work for the day and leaving site

. individual signing certifies that the above mation is correct and accurate.

Name: Cel Alvarez

Signature: Cel Alvarez Date: 8/16/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor: North Star	Project Name: Sky Valley Ed Ctr.
PBS Site Observer(s): Cal Alvarez	Project No.: 41393.000 Date: 8/17/16
	Report No.: 16 Time: 6:00 am/pm
Contractor on Site Personnel:	Page: 1 of 2
Project Manager Yes (No) Supervisor (Yes) No	Weather: Clear Temperature: 73 F
Workers Yes (No) Name: Jason Olson	Summary Phase Status: —
How Many? 9+1	Other Personnel on Site: MSD
Air Monitoring Personnel on site: Cal Alvarez	

WORK DESCRIPTION: Caulking removal and light fixture removal.

WORKER PROTECTION: ½ face respirator, tyvek suits, nitrile gloves

METHOD OF REMOVAL: razor scraping, wire brush, hepa vac, wrap and cut light fixtures

OBSERVATIONS:

6:00 - Arrived onsite. NS will be setting up outside of the Admin south windows. They are going to re-apply more epoxy base layer at Room 14 + 15 in the pods, and they are continuing for removing the light fixtures.

7:00 - I was inspecting the windows of the Annex windows in Room F and Room E. Looks like sealant is coating the surfaces very well. They covering all the edges where there was caulking. Advised supervisor there were locations in the Annex that still needed touch up.

8:00 Gregg Middaugh shows up onsite to discuss the work that is going on at the School. Per Gregg, there was some caulking still outside on the grass of the Annex. He advised that they should do a better job at tape the poly sheets up against the wall spread out a wider area to cover. He also inspected the base layer and said they don't always have to paint up to the grass. The area where it goes should be fine. He also asked me to remind NS supervisor that all containments need to be sealed by tomorrow.

ITEMS OF CONCERN: None

CHANGES IN SCOPE: None

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulk and light fixtures	Annex
	Pod C Library
	Admin

The individual signing certifies that the above information is correct and accurate.

Signature: [signature]

Name: C. Alvarez Date 8/17/16

#16

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley PROJECT NO ~~40000.233~~ 41373.000 DATE: 8/17/16

ABATEMENT CONTRACTOR: Northstar PBS OBSERVER: Cal Alvarez PAGE: 2 of 2

WORK DESCRIPTION: Caulking abatement and light fixtures

OBSERVATIONS:

11:00 - Visual inspection of the epoxy on 2nd layer passed for Rooms E and F at the Annex and all the rooms 14-20 of the north pod. NS breaks for lunch.

11:45 - NS returns for lunch and they tear down the containments in the Annex. They continue to abate the caulking at the south side of the Admin building.

12:00 - No change in Scope. They regulate the area while removing caulk. They do a better job at containing the caulk.

13:00 - They are continuing with caulk removal in the Admin building.

14:30 - NS wraps up their work and leaves site.

individual signing certifies that the above rmation is correct and accurate.

Name: Cal Alvarez

Signature: [signature] Date: 8/17/16

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PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor North Star	Project Name Sky Valley ~~Ctr~~ Ed Ctr
PBS Site Observer(s) Cel Alvarez	Project No. 41393.000 Date 8/18/16
	Report No. 17 Time 6:00 am/pm
Contractor on Site Personnel:	Page 1 of 2
Project Manager Yes (No) Supervisor (Yes) No	Weather Clear Temperature 66 F
Workers (Yes) No Name: Jason Olson	Summary Phase Status —
How Many?	Other Personnel on Site MSD, EPA
Air Monitoring Personnel on site: Cel Alvarez	

WORK DESCRIPTION: Caulking removal and some light fixtures

WORKER PROTECTION: 1/2 face respirators, tyvek suits, nitrile gloves.

METHOD OF REMOVAL: Razor scraping, wire ~~brush~~ brush, HEPA Vac.

OBSERVATIONS:

6:00 - NS will be working in the Gym area setting up containments and removing caulking inside the Gym. They have prepped the containments for the CTE rooms, Commons, day care, weight room, Girls locker room, and small Gym. They have neg pressure machines ~~and~~ w/ charcoal filters. Workers will be suited up in 1/2 face respirator and Tyvek suits. Deblin says to expect EPA to show up today.

8:00 - No change in work scope. Workers still abating the caulking in the Gym. and other workers prepping areas for epoxy application.

9:00 - Kendall Moore from the EPA shows up on site to discuss the work of the caulking removal.

10:00 - We ~~remove~~ discussed will Kendall Moore the percentages of caulking removed from the buildings. ~~He's~~ We all agreed that the Annex was 99% ~~ser~~ free of caulking. The Pods/Library was 97% free of caulking, and the ~~interior of the~~ Admin was 98% free of caulking. The Gym was not completed yet. It was in progress. We also spent time removing a cap in the Annex Room Don the floor.

ITEMS OF CONCERN: NONE

CHANGES IN SCOPE: NONE

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION

he individual signing certifies that the above information is correct and accurate.

Signature:

Name: Date

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley Ed Ctr PROJECT NO ~~40000.233~~ 41393-000 DATE: 8/19/16

ABATEMENT CONTRACTOR: Cal Alvarez PBS OBSERVER: 41393.000 PAGE: 2 of 2

WORK DESCRIPTION: Caulk and Epoxy application

OBSERVATIONS:

The cap was removed but Kendall did not see anything significant. We also discussed the Unvents in the Pods. He was concerned about the amount of caulk left behind them.

11:00 - NS breaks for lunch.

~~12:20~~ Workers continue to abate the Area. Visually cleared office rooms in the Admin room. NS will prep area for their first coat of Red Epoxy.

13:00 - NS is continuing work with no change to scope.

14:30 - Windows in the Annex are secured and leaving site.

. individual signing certifies that the above mation is correct and accurate.

Name: [signature]

Signature: [signature] Date: 8/19/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

~~Asbestos~~ Contractor North Star	Project Name Sky Valley Ed Ctr
PBS Site Observer(s) Cel Alvarez	Project No. 41373.000 Date 8/22/16
	Report No. 18 Time 6:00 am/pm
Contractor on Site Personnel:	Page 1 of 2
Project Manager Yes (No) Supervisor (Yes) No	Weather Partly Cloudy Temperature 57 F
Workers (Yes) No Name: Jason Olson	Summary Phase Status Clearance
How Many?	Other Personnel on Site McKinstry
Air Monitoring Personnel on site: Cel Alvarez	

WORK DESCRIPTION: Caulking Removal

WORKER PROTECTION: 1/2 face respirator, tyvek suits, nitrile gloves

METHOD OF REMOVAL: Razor Scraping, steel brushing

OBSERVATIONS:

6:00 setting Annex with 12 air samples for Puf tube sampling clearance for PCB. I also meet up with Jason, NS supervisor. He is going to remove all the negative air machines in the Annex before I start the air sample. The plan for NS today is continue setting up in the Gym containments for caulking removal. All these equipment is stored in the small gym. They are also removing containments in the Pod. They are completely done with the Admin building. They left the containments up till after clearance. There is a solid coat of tan paint where they removed the caulking.

~~[illegible]~~ Workers working in the gym removing caulking in the daycare. They are wearing tyvek suits and 1/2 face respirators. They are using nitrile gloves. They also have a negative air machine and charcoal filters. They have a barrel where they store the caulking. I am also setting up Air Clearance Puf samples for the Annex. Then later, I will start with my wipe samples. Gregg Middaugh should be arriving later today to bring more sampling supplies and help me with the cont.

ITEMS OF CONCERN: None

CHANGES IN SCOPE: None

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulk	Gym
	Admin exterior
	Pods exterior

The individual signing certifies that the above information is correct and accurate.

Signature: [signature]

Name: C. Alvarez Date 8/22/16

#18

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley [illegible] PROJECT NO ~~40008.233~~ 41373.000 DATE: 8/22/16

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: Cel Alvarez PAGE: 2 of 2

WORK DESCRIPTION: Air clearance and caulking abatement.

OBSERVATIONS:

11:00 NS breaks for lunch

12:00 NS returns from lunch and continues to abate the Small Gym under containment

13:30 - Greg Middaugh shows up onsite to assist me in collecting ~~wo~~ wipe samples. ~~[illegible]~~ We need to complete sampling to Fedex overnight

14:30 Air sample completed and prepped for shipment. Greg will take cooler to Fedex drop location

1530 - Visually inspected the Small gym. Did not pass. They need to remove more caulking. NS will reclean. Done for the night. PBS and NS are leaving site

individual signing certifies that the above
mation is correct and accurate.

Name: Cel Alvarez

Signature: [signature] Date: 8/22/16

#19

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: North Star
PBS Site Observer(s): Cal Alvarez

Project Name: Sky Valley Ed Ctr
Project No.: 41375
Date: 4/23/16
Report No.: 19
Time: 6:00 am/pm
Page: 1 of 2

Contractor on Site Personnel:
Project Manager: Yes (No)
Supervisor: (Yes) No
Workers: (Yes) No
Name: Jason Olson
How Many? 3+1
Air Monitoring Personnel on site: Cal Alvarez

Weather: Clear
Temperature: 54-55 F
Summary Phase Status:
Other Personnel on Site: Monroe Health Dept.

WORK DESCRIPTION: Caulking Removal and epoxy application

WORKER PROTECTION: ½ face respirator, tyvek suits, nitrile gloves

METHOD OF REMOVAL: Razor scrapping under negative air

OBSERVATIONS:

6:00 Arrived onsite and started prepping for PBA clearance tomorrow at the Admin building. There are 9 areas that need to be cleared. Workster is planning to finish the interior gym building. I will visually inspect the areas.

7:00 workers suit up with tyvek and ½ face respirators. They worked late last night setting up containment inside the small gym.

9:00 visually cleared the inside of the CTE room, the Day care Room, and the Girls locker Rm East window. Also had them redo the south windows. There was still some caulking behind the window frame. I also opened all the windows in the Annex cause there was still an odor.

10:00 Amanda from the Monroe Health Department shows up on site. She did ask what is the smell coming from the Annex. Dustin advised her that they had to use chemical remover to get rid of the resin black mastic from the pitted floors.

11:00 Breaking for lunch

11:45 Returning from lunch. They continue to remove caulking from the weight Room

ITEMS OF CONCERN: Completion Time of Gym Building

Cont.

CHANGES IN SCOPE: None

QUANTITY AND TYPE REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulk	Gym
	Admin
	Pool exterior

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: Cal Alvarez
Date: 4/23/16

#19

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley Ed Ctr PROJECT NO ~~40008.283~~ 41353.000 DATE: 8/24/16

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: Cal Alvarez PAGE: 2 of 2

K DESCRIPTION: Caulking abatement, epoxy application

OBSERVATIONS:

12:30 - Workers are now apply the tan epoxy in offices of the Admin. Some staff are annoyed by the fumes but are doing fine.

13:30 - Had a discussion with NS Star supervisor to keep containments up in the Admin per Perlon's request. They were resistant but they agreed to keep the containments up.

14:30 - NS has secured their worksites and are leaving site. PBS is also leaving site.

Individual signing certifies that the above information is correct and accurate.

Name: Cal Alvarez

Signature: [signature] Date: 8/24/16

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PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor North Star (NS)	Project Name Sky Valley Ed Ctr
PBS Site Observer(s) Cel Alvarez	Project No. 41373.000 Date 8/24/16
	Report No. 20 Time 6:00 am/pm
Contractor on Site Personnel:	Page 1 of 2
Project Manager Yes (No) Supervisor (Yes) No	Weather Clear Temperature 55-75 F
Workers (Yes) No Name: Jason Olson	Summary Phase Status
How Many? 8+1	Other Personnel on Site Mckinstry / MSD Staff
Air Monitoring Personnel on site: Cel Alvarez	

WORK DESCRIPTION: Caulk removal and epoxy coating / Air clearance and wipe sampling

WORKER PROTECTION: ½ Face respirator, tyvek suit, nitrile gloves.

METHOD OF REMOVAL: Razor scapers, steel brush, oscillating tools

OBSERVATIONS:

6:00 - Today NS is going to complete caulking abatements of the little gym and coats it with epoxy with ~~one~~ both layers. They have the CTE, Gathering Room, Girls Locker Room and all of the Pods completed. They still have ~~all~~ some areas that have the containments up in the Pods but I will ask them to remove it. PBS also will start air sampling in the Admin Building. I will also collect some wipe samples also.

7:00 - Workers removing caulk at the exterior of the Admin building at the SW corner. They are also abating the south exterior windows of the Gym (East). Workers regulate the area, add drop poly on the floor and tape it against the wall, wear their ½ face and tyvek suits.

8:00 - Gave visual clearance for small gym. They are also prepping this area for ~~clearance~~ epoxy coating. They are going to apply the 1st coat today. They could not remove the wood panels at the top of the columns. So they remove the most they can. They should be good. They also had a neg air running while they abated the caulk.

ITEMS OF CONCERN: None

CHANGES IN SCOPE: None

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulk	Gym
	Tech Bldg

The individual signing certifies that the above information is correct and accurate.

Signature: [signature]

Name: Cel Alvarez Date 8/24/16

#20

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ North Star (NS) PROJECT NO ~~40008.293~~ 4353.000 DATE: 5/24/13

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: Cal Alvarez PAGE: 2 of 2

K DESCRIPTION: Caulk and epoxy application

OBSERVATIONS:

11:00 - NS breaks for lunch.

13:00 - Workers continue to prep for epoxy application

14:30 - PBS and NS wrapped up for the day. A walkdown and wipe sample in the inside of the Adman Building.

Individual signing certifies that the above information is correct and accurate.

Name: Cal Alvarez

Signature: Date: 5/24/13

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor North Star	Project Name Sky Valley Ed Ctr.
PBS Site Observer(s) Cel Alvarez	Project No. 41333.000 Date 8/25/16
	Report No. 21 Time 6:00 am/pm
Contractor on Site Personnel:	Page 1 of 1
Project Manager Yes No Supervisor Yes No	Weather Clear Temperature 55-82 F
Workers Yes No Name: Jason Olson	Summary Phase Status —
How Many? 8+1	Other Personnel on Site McKinstry, MSD Staff
Air Monitoring Personnel on site: Cel Alvarez	

WORK DESCRIPTION: Caulking removal and epoxy application.

WORKER PROTECTION: ½ face respirator and tyvek suits, nitrile gloves.

METHOD OF REMOVAL: Razor scrapping

OBSERVATIONS:

6:00 - NS shows up on site and ~~begins their day~~ their scope of work for the day is to apply epoxy for the small gym. They are also abating more caulk on the west side of the gym under the windows. They are working on the outside of the Pods removing the caulking on the exterior of the CAB panels. They regulate the area and place a poly drop clothe on the floor.

8:00 - Devlin and I are going to drill holes on the demishing walls from Room 6-11 to inspect if there is any mold growth on the cavity of the demishing wall. We did not find any mold growth in the cavity. While the drill was coring the wallboard, we were using a HEPA Vac to collect any dust.

11:00 NS Breaks for lunch

12:00 - NS continue work in on the ~~exterior~~ interior of the pods. They are adding the second coat of paint. It should be drying by tomorrow. Once is ~~dry~~ dries they will remove the containment.

13:00 - NS has no change to work plan

14:30 PBS and NS have secured the Annex and gym area. Leaving site

ITEMS OF CONCERN: None

CHANGES IN SCOPE: None

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulk	Gym
	Exterior Pods
	Exterior Admin

The individual signing certifies that the above information is correct and accurate.

Signature: [signature]

Name: C. Alvarez Date 8/25/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor North Star	Project Name Sky Valley Ed Ctr
PBS Site Observer(s) Cel Alvarez	Project No. 41375.000 Date 8/26/16
	Report No. 22 Time 6:00 am/pm
Contractor on Site Personnel:	Page 1 of 2
Project Manager Yes (No) Supervisor (Yes) No	Weather Clear Temperature 60 F
Workers (Yes) No Name: Jason Olson	Summary Phase Status —
How Many? 8+1	Other Personnel on Site mkinstry
Air Monitoring Personnel on site: Cel Alvarez	

WORK DESCRIPTION: Caulking Removal / Light Fixture

WORKER PROTECTION: 1/2 Face, Tyvek suits.

METHOD OF REMOVAL: Razor scrapping

OBSERVATIONS:

8:00 - Arrived onsite after getting more equipment and supplies from Seattle office. Work plan for NS is to remove more caulking around the ~~ex~~ exterior of the building of the Gym and the Admin. NS is setting up the front entrance of the Admin still needed caulking removed

9:00 - NS is finishing ~~on ap~~ removing the exterior caulking on the outside of the Admin building. They have banner tape set up so they can apply the epoxy to the window frames.

11:00 NS Breaks for lunch.

11:45 NS Returns to work abating the caulk on the exterior of the Gym. They regulate the area and place a drop cloth while wear 1/2 face respirator and tyvek suits. They will continue to abate. There is also another set of works prepping the Gym for epoxy applications

12:00 - No change to work scope

14:30 - PBS cleared all exterior windows of the Admin. NS will be prepping those areas tomorrow for epoxy application. cont.

ITEMS OF CONCERN: None

CHANGES IN SCOPE: None

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulk	Admin
	Gym

The individual signing certifies that the above information is correct and accurate.

Signature: [signature]

Name: Cel Alvarez Date 8/26/16

#22

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley Ed Ctr PROJECT NO ~~40008.233~~ 41373.000 DATE: 8/26/16

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: Cel Alvarez PAGE: 2 of 2

K DESCRIPTION: Caulking and epoxy application

OBSERVATIONS: Cont.

NS also completed the abatement ~~at~~ the covered walkway about the gym at the north elevation. They will start applying epoxy on monday. Also spent the afternoon prepping for 20 locations monday.

individual signing certifies that the above
ormation is correct and accurate.

Name: Cel Alvarez

Signature: [signature] Date: 8/26/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor North Star
PBS Site Observer(s) Cal Alvarez

Project Name Sky Valley Ed Ctr.
Project No. 41333.000 Date 8/29/12
Report No. 23 Time 6:00 am/pm
Page 1 of 2

Contractor on Site Personnel:
Project Manager Yes (No) Supervisor (Yes) No
Workers (Yes) No Name: Jason Olson
How Many? 8+1
Air Monitoring Personnel on site: Cal Alvarez

Weather overcast/clear Temperature 55-75 F
Summary Phase Status —
Other Personnel on Site Mclenthey

WORK DESCRIPTION: Caulk removal, paint prep, and epoxy application

WORKER PROTECTION: 1/2 face and typek, nitrile gloves

METHOD OF REMOVAL: Razor and wire brush removal

OBSERVATIONS:

6:00 PBS doing PCB air clearances for East and South pool, CTE, Commons, daycare, weight room, 3rd locker x2, and NS work plan today is removing exterior caulk at the west area of the Gym, the south area of the covered walkway. Workers regulate the area with red barrier tape and place drop cloths under the windows.

8:00 - NS continues to remove caulking and no change to scope. The small gym is still air out for 5 days, which should be available locker on sept. 16th. ~~We will~~ NS will remove all there equipment by wednesday night. Also all contractor have been informed to remove their stuff so I can run air clearance.

10:00 - We were informed that all air clearance samples passed. I notified NS and they are removing all their containments.

11:00 - NS breaks for lunch.

11:45 - NS Returns and continues to abate the exterior of the Gym

EOD - NS continues to work with no change to scope

ITEMS OF CONCERN: None

CHANGES IN SCOPE: None

QUANTITY AND TYPE REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulk	~~South~~ Gym
	Tech Bldg
	Pods

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: C. Alvarez Date 8/29/12

#23

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley Ed Ctr PROJECT NO ~~40908.233~~ 41373.000 DATE: 8/29/16

ABATEMENT CONTRACTOR: Cel Alvarez PBS OBSERVER: Cel Alvarez PAGE: 2 of 2

K DESCRIPTION: Caulking and epoxy application

OBSERVATIONS:

14:00 - Complete all air swipe samples for east and south pod, CTE, gathering, Locker, and locker hallway

14:30 - PBS in at Fedex shipping package

Individual signing certifies that the above information is correct and accurate.

Name: Cel Alvarez

Signature: [signature] Date: 8/29/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: North Star
PBS Site Observer(s): Cel Alvarez
Project Name: Sky Valley Ed Ctr.
Project No.: 41343.000 Date: 8/30/16
Report No.: 24 Time: 6:00 am/pm
Page: 1 of 2
Contractor on Site Personnel:
Project Manager Yes (No) Supervisor (Yes) No
Workers (Yes) No Name: Jason Olson
How Many?
Air Monitoring Personnel on site: Cel Alvarez
Weather: Overcast Temperature: 60's F
Summary Phase Status: —
Other Personnel on Site: Mckinstry

WORK DESCRIPTION: Caulking removal, light fixture removal, epoxy application

WORKER PROTECTION: 1/2 face respirator

METHOD OF REMOVAL: Razor scrapping, wire brush, wrap N cut light fixtures

OBSERVATIONS:

6:00 PBS setting up PCB air clearances in Rooms 14-20 at the North Pod. Facilities has moved in some furniture and book case to make room for the Library so NS can remove the light fixtures. Advise NS to stay out of rooms 14-20. NS has workers at the west side of the Gym doing caulking removal. They are also ~~po~~ applying epoxy 1st layer to complete the Admin so they can apply the tan epoxy.

7:00 Advised NS supervisor there are not apply 2" of epoxy on the exterior of the brick wall of the Admin building. Advised they need to coat completely before I clear it.

8:45- Devlin advised that the small gym will be ready for clearance on Thursday, September 1. He also said that his concern about the jagged edges will be covered with caulking. I advised him that it needs to be 2" from where the caulking was. He also mention the flooring contractor assured him once the flooring gets installed, the smell will go away. I returned from Walmart were I purchased a cooler and gauze for more sampling.

ITEMS OF CONCERN: Jagged edges on areas where the coated both layers of epoxy.

CHANGES IN SCOPE: None

QUANTITY AND TYPE REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulking and light fixtures	Admin
	Gym
	Library/Pods

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: Cel Alvarez Date 8/30/16

#24

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley Ed Ctr PROJECT NO ~~40008.233~~ 41373.000 DATE: 8/30/16

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: Cel Alvarez PAGE: 2 of 2

K DESCRIPTION: Caulking and epoxy application

OBSERVATIONS:

11:00 NS break for lunch

12:00 NS continues to work on the exterior of the south gym and also lead prepping areas throughout the campus. They are doing a better job catching the lead base paint with the drop clothes around the Admin and the Gym building.

13:00 - No change to scope of work.

14:30 - Collected all my air samples for the North Pod and already collected all my wipe samples above the univents. There was new carpet installed over the weekend so we sample the only surface that was not covered, which is the Univents.

individual signing certifies that the above
ormation is correct and accurate.

Name: Cel Alvarez

Signature: [signature] Date: 8/30/16

#25

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor: North Star (NS)
PBS Site Observer(s): Cel Alvarez
Project Name: Sky Valley Ed Ctr
Project No.: 41333.000 Date: 8/31/16
Report No.: 25 Time: 6:00 am/pm
Page 1 of 2
Contractor on Site Personnel:
Project Manager Yes (No) Supervisor (Yes) No
Workers (Yes) No Name: Jason Olson
How Many? 1 3 + 1
Air Monitoring Personnel on site:
Weather: Overcast/Rain Temperature: 65° F
Summary Phase Status: Construction
Other Personnel on Site: Valentry, Howtes Power - Vac
AAA fire protection

WORK DESCRIPTION: Caulking Removal and epoxy application, lead prep.

WORKER PROTECTION: ½ face and tyvek with nitrile gloves

METHOD OF REMOVAL: Scrapping, razor cutting, etc.

OBSERVATIONS:

6:00 Arrived on site. PBS will be gathering all some hi flow pumps to return to office, NS will require a visual inspection on the west side exterior windows of the gym. Also, they are applying epoxy around the Admin, which is the second layer.

7:30 - Visually inspected west side of Gym exterior windows and columns. I passed the columns but advised NS to abate under windows on the horizontal. They said they will.

10:30 - Peter PBS returned from office. Collected soil samples from Annex and Tech Building. NS still abating caulking at the south side. They are also doing the lead abatement on the Annex and the Gym. They are also prepping the Gym south side for epoxy. They are also removing the awning on the south side of the gym.

11:00 NS breaking for lunch.

12:00 NS in progress of prepping areas of the Annex at the exterior soffit for painting. They are laying a drop cloths to the capture the paint chips.

ITEMS OF CONCERN: Light ballast left in Girls locker Rm during testing.

CHANGES IN SCOPE: None

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
Caulking.	Gym Exterior of pods

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: Cel Alvarez Date 8/31/16

25

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ PROJECT NO ~~40008.233~~ 4573.000 DATE: 8/31/16

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: Cel Alvarez PAGE: 1 of 2

K DESCRIPTION: Epoxy Application

OBSERVATIONS:

2:00 - Verified with NS supervisor they need to be out of the small Gym so I can run final air clearance.

2:30 - PBS leaving site.

Individual signing certifies that the above information is correct and accurate.

Name: Cel Alvarez

Signature: Date: 8/31/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: North Star
PBS Site Observer(s): Cal Alvarez

Project Name: Sky Valley Ed Ctr
Project No.: 41392.000 Date: 9/1/16
Report No.: 26 Time: 6:00 am/pm
Page: 1 of 2

Contractor on Site Personnel:
Project Manager Yes (No) Supervisor (Yes) No
Workers (Yes) No Name: Jason Olson
How Many?
Air Monitoring Personnel on site: Cal Alvarez

Weather: Clear Temperature: 60 F
Summary Phase Status: —
Other Personnel on Site: Hackenberg

WORK DESCRIPTION: Caulk removal and epoxy application

WORKER PROTECTION: 1/2 face respirator and Tyvek suits w/ nitrile gloves

METHOD OF REMOVAL: Razor scrape, steel brushes, drop cloths, etc.

OBSERVATIONS:

6:00 PBS setting up clearance for PCBs in Small Gym. Also will complete soil sampling and collect all wipe samples. NS will continue applying epoxy throughout campus, lead prepping, and light fixture disposal. PBS will also do final visual clearance of caulking abatement at the west side exterior windows of the Gym.

8:30 NS has left the small gym. They moved most of their equipment out. There are still some new light fixtures and other equipment from other contractors but they know testing is going on and there is no access.

7:30 PBS left sight to deliver samples to Onsite Env. for soil analysis.

9:00 PBS returned onsite to continue with wipe samples. Observed NS poly sheet the front of the Admin building for their lead work.

I continued to sample from Room 1 to 20 wipe samples

11:00 ~~Cook~~ NS takes lunch.

11:45. NS returns from lunch and they continue to prep the Gym and the Annex for epoxy application.

ITEMS OF CONCERN: None

CHANGES IN SCOPE: None

QUANTITY AND TYPE REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
/	Pods
	Gym

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: Cal Alvarez Date 9/1/16

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PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley Ed Ctr PROJECT NO. ~~40008.293~~ 41373.000 DATE: 9/1/16

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: Cel Alvarez PAGE: 2 of 2

WORK DESCRIPTION: Epoxy Application

OBSERVATIONS:

13:00 No change in scope. NS continues epoxy application of the Gym and exterior of the Annex. They also left up the banner tape where they cleaned the soil.

14:00 - Air sample and wipe samples completed and left sight to ship out samples via Fedex.

Individual signing certifies that the above information is correct and accurate.

Name: Cel Alvarez

Signature: [signature] Date: 9/1/16

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PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor North Star
PBS Site Observer(s) Cel Alvarez

Project Name Sky Valley Ed Ctr.
Project No. 41373 Date 9/2/16
Report No. 27 Time 6:00 am/pm
Page 1 of 2

Contractor on Site Personnel:
Project Manager Yes No Supervisor Yes No
Workers Yes No Name: Jason Olson
How Many?
Air Monitoring Personnel on site: Cel Alvarez

Weather Rain Temperature 57 86 RH F
Summary Phase Status —
Other Personnel on Site McKinstry, VPC, Flooring and towelvenders.

WORK DESCRIPTION: Application of Epoxy

WORKER PROTECTION: ½ face and tyvek suit.

METHOD OF REMOVAL: —

OBSERVATIONS:

6:00 Arrived onsite to ask NS to clean up CTE Room floor once more cause samples had a trace of PCB. NS agrees to wipe it again. NS is also continuing to paint the Gym area westside with red epoxy. They have completed the Admin. ~~and~~ They are also going to paint the epoxy on the Annex (exterior)

8:00 Devlin request ~~at~~ I observe VPC doing their sampling in the Pods attic space for VPC ~~cleanless~~ cleaneness test. The tester said he was testing for cleaness and will submit it to NVL. They were finishing up the North end pod. They were using a high flow pump, ~~and~~ a ~~tend~~ cassettle, and a template to collect the sample.

8:30 Had a discussion with Devlin regarding the CTE rooms. I advised him the amount was below the threshold and ~~he~~ he mentioned they was previous flooring that was removed and will soon be covered with new flooring. He will be returning this afternoon to inspect the flooring. He was also a little concerned about the odor in the Annex which he says he can still smell it at the east side of the building. He said he might have to give Walker a call. Cont.

ITEMS OF CONCERN: —

CHANGES IN SCOPE: —

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
	Annex
	Gym

The individual signing certifies that the above information is correct and accurate.

Signature: [signature]
Name: Cel Alvarez Date 9/2/16

#27

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley Ed Ctr PROJECT NO ~~40008.233~~ 41373.000 DATE: 9/2/16

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: Cel Alvarez PAGE: 2 of 2

WORK DESCRIPTION: Epoxy application

OBSERVATIONS:

11:00 NS Breaks for lunch.

12:00 NS is ~~prepping~~ applying red epoxy to Areas for the gym exterior and the Pod classrooms.

13:00 Still applying ~~the epoxy~~ epoxy. No change

14:00 - NS wrapping up for the long weekend

14:30 PBS informed NS supervisor that soil test failed for Prep Room F, Room E, and Room E exterior below window sills.

I individual signing certifies that the above ormation is correct and accurate.

Name: Cel Alvarez

Signature: [signature] Date: 9/2/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: North Star
PBS Site Observer(s): Cel Alvarez

Project Name: SVEC
Project No.: 41737.000 Date: 9/6/16
Report No.: 28 Time: 6:00 am/pm
Page: 1 of 2

Contractor on Site Personnel:
Project Manager Yes (No) Supervisor Yes (No)
Workers (Yes) No Name: Jason Olson
How Many? 9+1
Air Monitoring Personnel on site: Cel Alvarez

Weather: Rain Temperature: 53-66 F
Summary Phase Status: RH 95%
Other Personnel on Site: Melentrez, Flowers

WORK DESCRIPTION: Application of Epoxy to windows and columns

WORKER PROTECTION: 1/2 face respirator, tyvek suits, negative area

METHOD OF REMOVAL: —

OBSERVATIONS:

6:00 - NS arrives onsite. They plan for NS is to complete the epoxy application on the Pods and the rest of the gym. They partially applied the first layer in the Gym at the south east windows on the south elevation. They have no sealant yet at the pods.
9:00. Discussed w/ Gregg about the the soil contaminated w/ PCB. I will suggest to NS that they clean 3 ft from wall of Annex and only the top ~~sp~~ surface.
8:00 - NS and I placed banner tape around the Annex. They agreed to remove the top soil.
8:30 - Gregg M. shows up onsite
10:30 - Per Perlin, NS will be removing soil at the Annex today. We inspected the Annex w/ Gregg for final QC. I will has NS touch up some areas that were missed.
12:00 - ~~Gregg~~ is leaving site. I will go over with NS about what areas need to be touched up. NS returns from lunch and continue painting red epoxy at the pods and the Tech Building. cont

ITEMS OF CONCERN: Unpainted red sealant w/ tan epoxy

CHANGES IN SCOPE: None

QUANTITY AND TYPE ~~OF~~ REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
None	Admin / Annex / Gym / Pod-Library / Tech Bldg

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: C. Alvarez Date 9/7/16

#28

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ SVEC | PROJECT NO 40008.233 | DATE: 9/6/16

TEMENT CONTRACTOR: Northstar | PBS OBSERVER: Cel Alvarez | PAGE: 2 of 2

RK DESCRIPTION: Caulk removal and epoxy application.

OBSERVATIONS: Cont.

13:00 NS workers working on Gym roof for lead prep. They are also removing caulking at the north door of the CTE room. They are also removing the top coat of the NW side of the Annex. They are also painting tan epoxy at south elevation of Gym.

1400 PBS leaving site to get 4oz jars from Onsite Environmental.

individual signing certifies that the above mation is correct and accurate.

Name: Cel Alvarez

Signature: [signature] Date: 9/7/16

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: Northstar
PBS Site Observer(s): Cel Alvarez
Contractor on Site Personnel:
Project Manager: Yes (No) Supervisor (Yes) No
Workers (Yes) No Name: Jason Olson
How Many? 8+1
Air Monitoring Personnel on site: Cel Alvarez

Project Name: SVEC
Project No.: 413173 Date: 9/7/16
Report No.: 29 Time: 6:00 am/pm
Page: 1 of 2
Weather: Rain Temperature: 65 F
Summary Phase Status: —
Other Personnel on Site: Mckenstry, Flowers

WORK DESCRIPTION: Epoxy Application

WORKER PROTECTION: ½ face respirator w/ tyvek suits and nitrile gloves

METHOD OF REMOVAL: —

OBSERVATIONS:

6:00 - Arrived onsite to visually inspect the west side door of the Gym. It is the north door. I passed clearance and all caulk is gone. Advise NS supervisor to apply epoxy 1st layer (red). I also visually inspected all the areas that were to be painted w/ epoxy and notified the supervisor they need to cover all the red paint in areas that had caulk. No red can show through the tan caulk. I also notified supervisor they need to extend the epoxy covered beyond 2" at the corners of the area of the windows in the Admin building. Supervisor said they did not because it would not look good and frames will be present now that the area has been reoccupied.

7:00 I sampled all the soil area that showed some PCB results at the Annex.

8:00 - Left job sight to deliver samples to the lab.

10:00 - Returned back on sight

11:00 - Per Derlin, NS has to fullfill there specs for the Admin room pass 2" on the Gypsum wall board and talked it over w/ NS supervisor.

ITEMS OF CONCERN: Epoxy Coverage.

CHANGES IN SCOPE: None

QUANTITY AND TYPE M REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
None	Gym/Annex/Gym

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: C. Alvarez Date 9/7/16

#29

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ SVEC | PROJECT NO ~~40008.282~~ 41537.000 | DATE: 9/7/16

ABATEMENT CONTRACTOR: NorthStar | PBS OBSERVER: Cel Alvarez | PAGE: 2 of 2

WORK DESCRIPTION: Epoxy Application

OBSERVATIONS:

11:30 - Devlin will work it out with Karen regarding applying epoxy in the Admin room.

12:30 - NS is going to paint epoxy in Admin in the corners of the window. PBS decided to assist NS to tape and prep the interior of the Admin building.

13:30 - Workers continue to paint the exterior of the Pods and the exterior of the Tech Bldg. and the Annex.

14:00 - NS also getting to load up the PCB light fixtures/ballest to load out but the dump ~~dump~~ reclaim truck will be arriving tomorrow.

individual signing certifies that the above mation is correct and accurate.

Name: Cel Alvarez

Signature: [signature] Date: 9/7/16

30

PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: North Star
PBS Site Observer(s): Cel Alvarez
Contractor on Site Personnel:
Project Manager: Yes (No) Supervisor (Yes) No
Workers (Yes) No Name: Jason Olson
How Many? 1+1
Air Monitoring Personnel on site: Cel Alvarez

Project Name: SVEC
Project No. 41373.000 Date 9/8/16
Report No. 30 Time 6:00 (am)/pm
Page 1 of 2
Weather Overcast Temperature 57 F
Summary Phase Status Final
Other Personnel on Site Mekenstrey, MSD etc.

WORK DESCRIPTION: Touch up with epoxy and final clean.

WORKER PROTECTION: ½ face and tyvek suits.

METHOD OF REMOVAL: —

OBSERVATIONS:

6:00 - Arrived onsite and advised supervisor to remove some residual caulking at the southside of the gym on top of the column where the covered walkway used to be. Supervisor painted the areas in the Admin building they missed on the corners in the interior. I also scraped the residual caulking myself since there was only 2 of them. They are also expecting their PCB waste barrels to be taken offsite today.

7:30 - Recorded wipe samples for the Pods, the Gym, and the Admin. Advise the VP, Gary , that the samples were below EPA threshold but they were above our pre-~~sampling~~ abatement sampling results. Will have NS go back and clean those locations: 1) Admin SW Corner and 2) SE corner 3) Room 16 4) Room 7, 5) Gym Commons Exterior West Area 6) Gym exterior of the girls locker room window at the North end, 7) Small gym's wood floor.

8:00 - Advised NS supervisor that Rm 11 needs touch up on the tan paint, Rm 10, Rm 9, Rm 1, on the exterior windows.

ITEMS OF CONCERN: None

CHANGES IN SCOPE: None

QUANTITY AND TYPE REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
/	Pods
	Gym

The individual signing certifies that the above information is correct and accurate.

Signature:
Name: Cel Alvarez Date 9/8/16

#31

PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Sky Valley Educ Ctr PROJECT NO ~~40000.233~~ 41373.000 DATE: 9/8/16

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: Cel Alvarez PAGE: 2 of 2

K DESCRIPTION: Epoxy Application and soil cleaning

OBSERVATIONS:

10:00 NS regulated the Annex exterior of the Prep Room F and exterior of Room E. They suited up and removed more soil.
11:00 - NS breaks for lunch.
12:00 - NS still cleaning up soil and also loading out PCB drums. They are also picking up their equipment into a truck.
13:00 - NS starts to touch up areas in the Admin and the Pods.
13:30 - Leave site to bring soil samples to onsite hopefully it's the last time.

Individual signing certifies that the above ormation is correct and accurate.

Name: Cel Alvarez

Signature: [signature] Date: 9/8/16

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PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

Contractor: North Star
PBS Site Observer(s): Cel Alvarez
Contractor on Site Personnel:
Project Manager: Yes (No) Supervisor (Yes) No
Workers: Yes (No) Name: Tasson Olson
How Many? 1
Air Monitoring Personnel on site:

Project Name: SVEC
Project No. 41373.000 Date 9/9/16
Report No. 32 Time 6:00 (am/pm)
Page 1 of 1
Weather clear Temperature 60 F
Summary Phase Status Completion
Other Personnel on Site Staff-MSD

WORK DESCRIPTION: Epoxy touch up

WORKER PROTECTION: ½ face respirator and tyvek suit

METHOD OF REMOVAL: None

OBSERVATIONS:

6:00 - Per Gregg Middaugh, I sampled the the floor of the Exterior SE corner of the Admin building and the internal flooring of the Gym floor. NS supervisor is going to touch up all the areas that needed touch up Tan epoxy for the Gym, Admin, and the Pod classrooms.
7:00 - I called the lab and the can accept samples now. Heading to Onsite environmental to complete the wipe samples. Leaving site to take samples to Onsite.
8:00 - Returned back to campus. NS supervisor is still touching up the tan paint that needs to be covered up. Also repainting the sharp edges. By painting the edges, it gets rid of the sharp edges.
11:00 Break for lunch.
11:45 Returned for lunch and continue touching up red exposed epoxy in the Pods interior and exterior of the classroom.
1400. We completed touching up all locations where the tan paint was light. We will now quantify the amount of caulking abated during the project.

ITEMS OF CONCERN: None

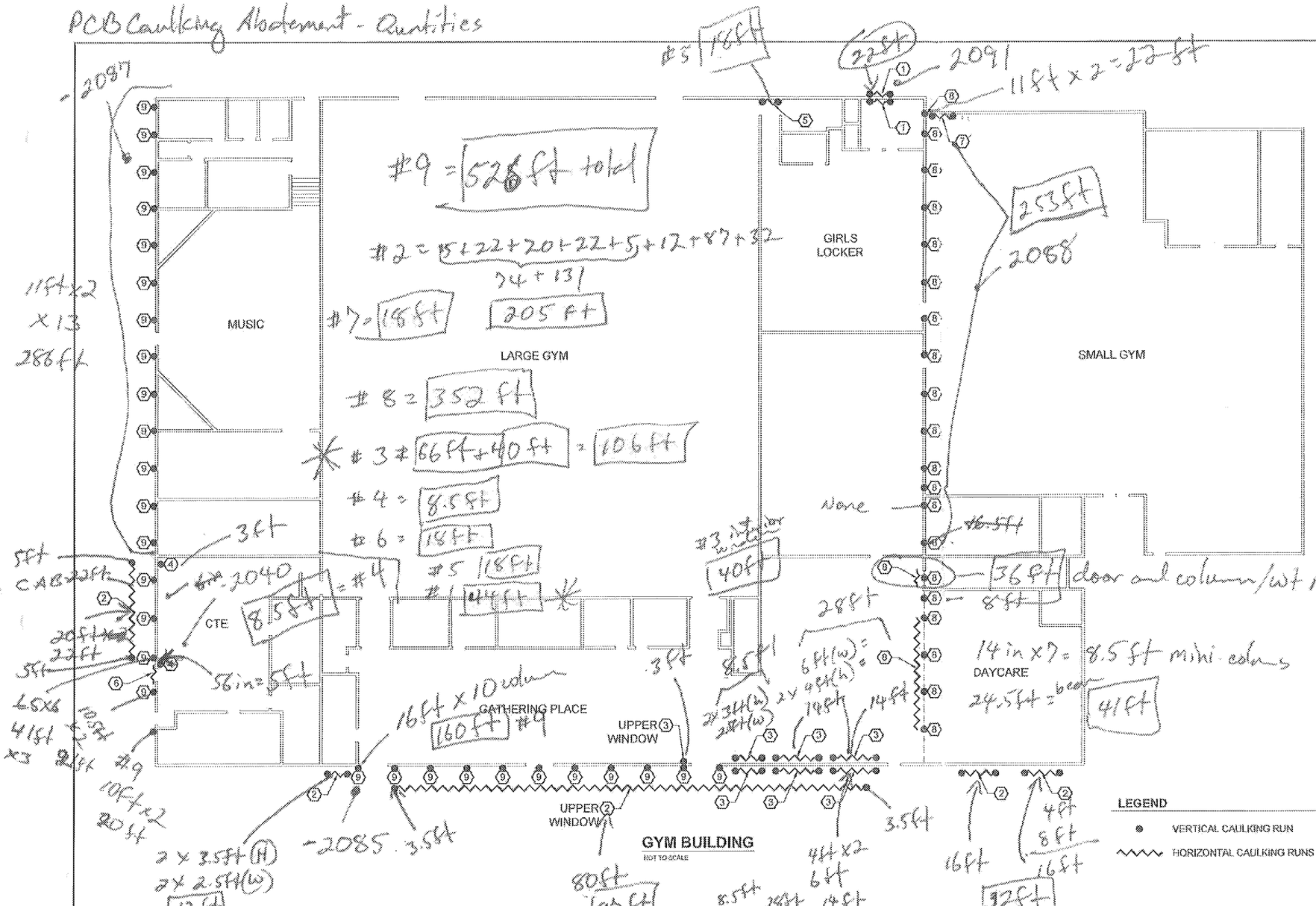
CHANGES IN SCOPE: None

QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE:	BUILDING/AREA/LOCATION
/	Annex, Admin, Gym, Tech Bldg, Pod/Library.

The individual signing certifies that the above information is correct and accurate.

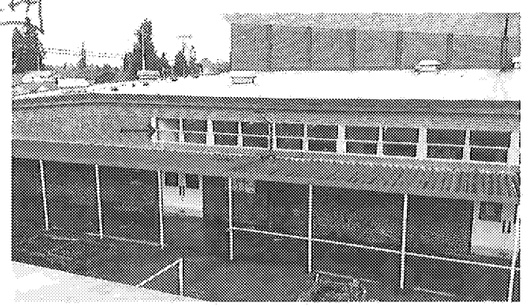
Signature:
Name: Date

PCB Caulking Abatement - Quantities

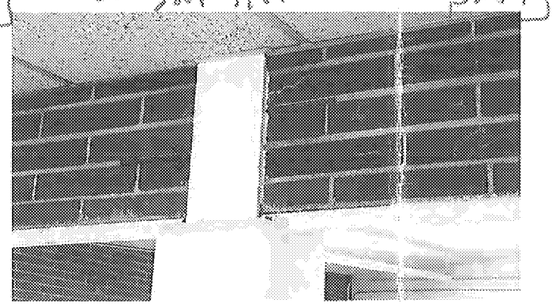


LEGEND

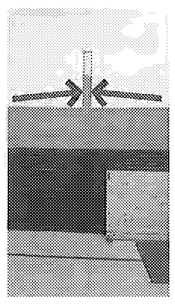
- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUNS



②⑨PHOTO DETAIL



⑧PHOTO DETAIL



⑧PHOTO DETAIL

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
2. REMOVAL OF HAZARDOUS MATERIALS MAY COMPROMISE THE SECURITY OF THE SITE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINTAINING SITE SECURITY AND PUBLIC SAFETY THROUGHOUT THE PROJECT. SEE SPECIFICATIONS REGARDING SECURITY AND PUBLIC SAFETY.
3. ABATEMENT CONTRACTOR TO COORDINATE ALL ACTIVITIES WITH ALL OTHER ONSITE WORK INCLUDING, BUT NOT LIMITED TO: SCHEDULE, ACCESS, STAGING, ETC. ABATEMENT CONTRACTOR TO REPORT LOCATIONS AND QUANTITIES OF ALL HAZARDOUS MATERIALS TO BE REMOVED, TO THE OWNERS REPRESENTATIVE PRIOR TO ABATEMENT/DEMOLITION.
4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

① REMOVE APPROX. 20 LF OF PCB-CONTAINING CAULKING LOCATED ON THE EXTERIOR AND INTERIOR METAL WINDOW FRAME ON THE GIRLS LOCKER ROOM NORTH PERIMETER WINDOW AS SHOWN.

② REMOVE APPROX. 380 LF OF PCB-CONTAINING CAULKING ON THE EXTERIOR METAL WINDOW FRAMES ON ALL WINDOWS AT THE SOUTH AND WEST ELEVATIONS OF THE LARGE GYM BUILDING AS SHOWN. THIS INCLUDES CAULKING THAT EXISTS AROUND EACH WINDOW INFILL PANEL METAL FRAME TRANSITION ON THE WEST ELEVATION. THESE INFILL PANELS ARE CEMENT ASBESTOS BOARD.

③ REMOVE APPROX. 40 LF OF PCB-CONTAINING CAULKING LOCATED ON INTERIOR SIDE OF THE THREE LOWER WINDOWS AND THE UPPER WINDOW BANK EAST VERTICAL IN THE GATHERING PLACE AS SHOWN.

④ REMOVE APPROX. 10 LF OF PCB-CONTAINING OF CAULK ON INTERIOR WINDOW FRAME VERTICALS IN THE CTE ROOM AS SHOWN.

⑤ REMOVE APPROX. 18 LF OF PCB-CONTAINING OF CAULK ON INTERIOR SIDE OF NORTH EXTERIOR GIRLS LOCKER ENTRY DOOR AS SHOWN.

⑥ REMOVE APPROX. 18 LF OF PCB-CONTAINING OF CAULK ON EXTERIOR SIDE OF NORTH CTE ENTRY DOOR AS SHOWN.

⑦ REMOVE APPROX. 18 LF OF PCB-CONTAINING OF CAULK ON THE INTERIOR SIDE OF THE NORTHWEST PERIMETER ENTRY DOOR FRAME OF THE SMALL GYM AS SHOWN.

⑧ REMOVE APPROX. 500 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL VERTICAL STRUCTURAL METAL COLUMN TRANSITIONS THROUGHOUT THE EAST ELEVATION OF THE LARGE GYM AS SHOWN. THIS INCLUDES THE REMOVAL OF ALL CAULKING ON THE INTERIOR DEMISING WALL METAL BEAMS (VERTICAL AND HORIZONTAL) BETWEEN THE DAYCARE AND THE GATHERING PLACE/CAFETERIA AS SHOWN. THE CAULKING IS HEAVILY PAINTED THROUGHOUT THE WORK SCOPE AREA.

⑨ REMOVE APPROX. 780 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL EXTERIOR VERTICAL STRUCTURAL METAL COLUMN TRANSITIONS THROUGHOUT THE LOWER WEST AND SOUTH ELEVATIONS OF THE LARGE GYM BUILDING AS SHOWN.

NOT TO SCALE

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MONROE SCHOOL DISTRICT

GYM BUILDING
CAULKING ABATEMENT PLAN
SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY
EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2016
DWG NO.	HM1
SHEET NO.	1 OF 5

ED_004522_00089866-00092

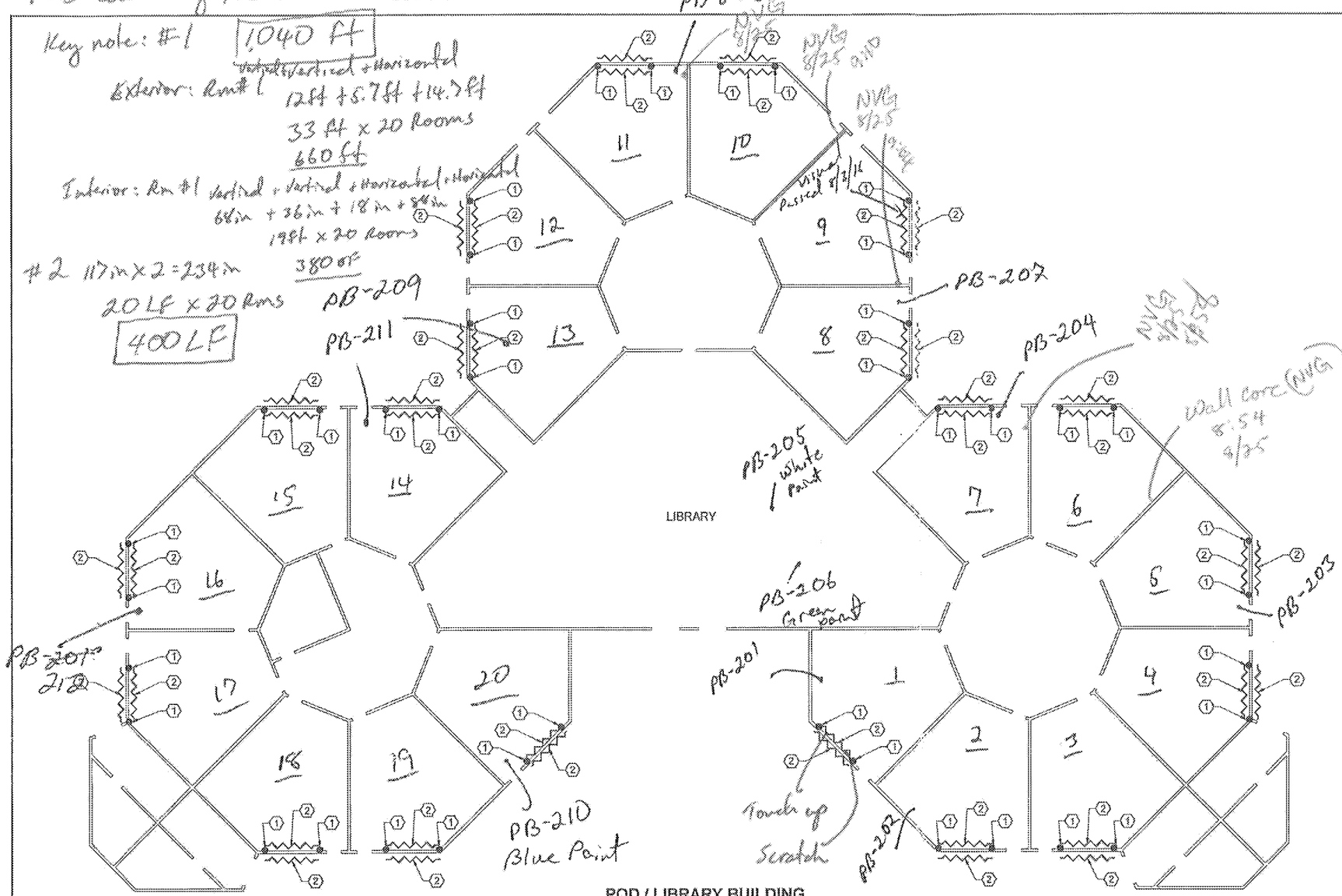
PCB Caulking Abatement - Quantities

Key note: #1 1,040 ft

Exterior: Rm#1 vertical + vertical + Horizontal
12ft + 5.7ft + 14.7ft
33 ft x 20 Rooms
660 ft

Interior: Rm #1 vertical + vertical + Horizontal + Horizontal
68in + 36in + 18in + 88in
19ft x 20 Rooms
380 ft

#2 117in x 2 = 234in
20 LF x 20 Rms
400 LF



POD / LIBRARY BUILDING
NOT TO SCALE

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
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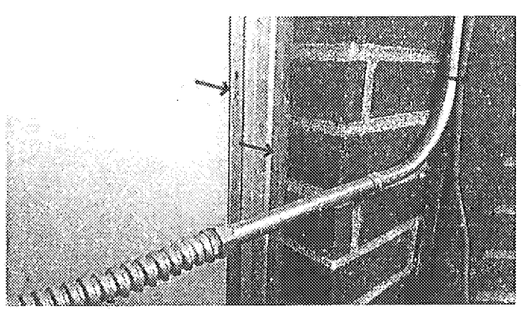
3. ABATEMENT CONTRACTOR TO COORDINATE ALL ACTIVITIES WITH ALL OTHER ONSITE WORK INCLUDING, BUT NOT LIMITED TO: SCHEDULE, ACCESS, STAGING, ETC. ABATEMENT CONTRACTOR TO REPORT LOCATIONS AND QUANTITIES OF ALL HAZARDOUS MATERIALS TO BE REMOVED, TO THE OWNERS REPRESENTATIVE PRIOR TO ABATEMENT/DEMOLITION.
4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

1. REMOVE APPROX. 500 LF OF PCB-CONTAINING CAULKING LOCATED ON INTERIOR PERIMETER METAL WINDOW FRAME TO BRICK TRANSITION VERTICALS IN EACH OF CLASSROOMS 1-20 AS SHOWN.
2. REMOVE APPROX. 1,400 LF OF PCB-CONTAINING CAULKING ON THE INTERIOR AND EXTERIOR SIDES OF THE CEMENT ASBESTOS BOARD (CAB) WINDOW INFILL PANELS. THE CAULKING FILLS THE GAP BETWEEN THE METAL WINDOW FRAME AND CAB TRANSITION IN EACH OF CLASSROOMS 1-20 AS SHOWN.

LEGEND

- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUN



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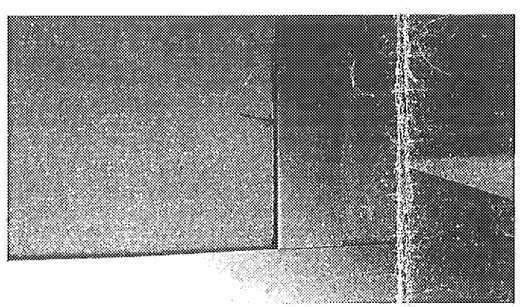

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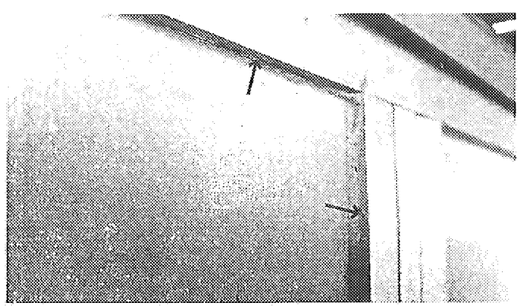

②PHOTO DETAIL

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MONROE SCHOOL DISTRICT

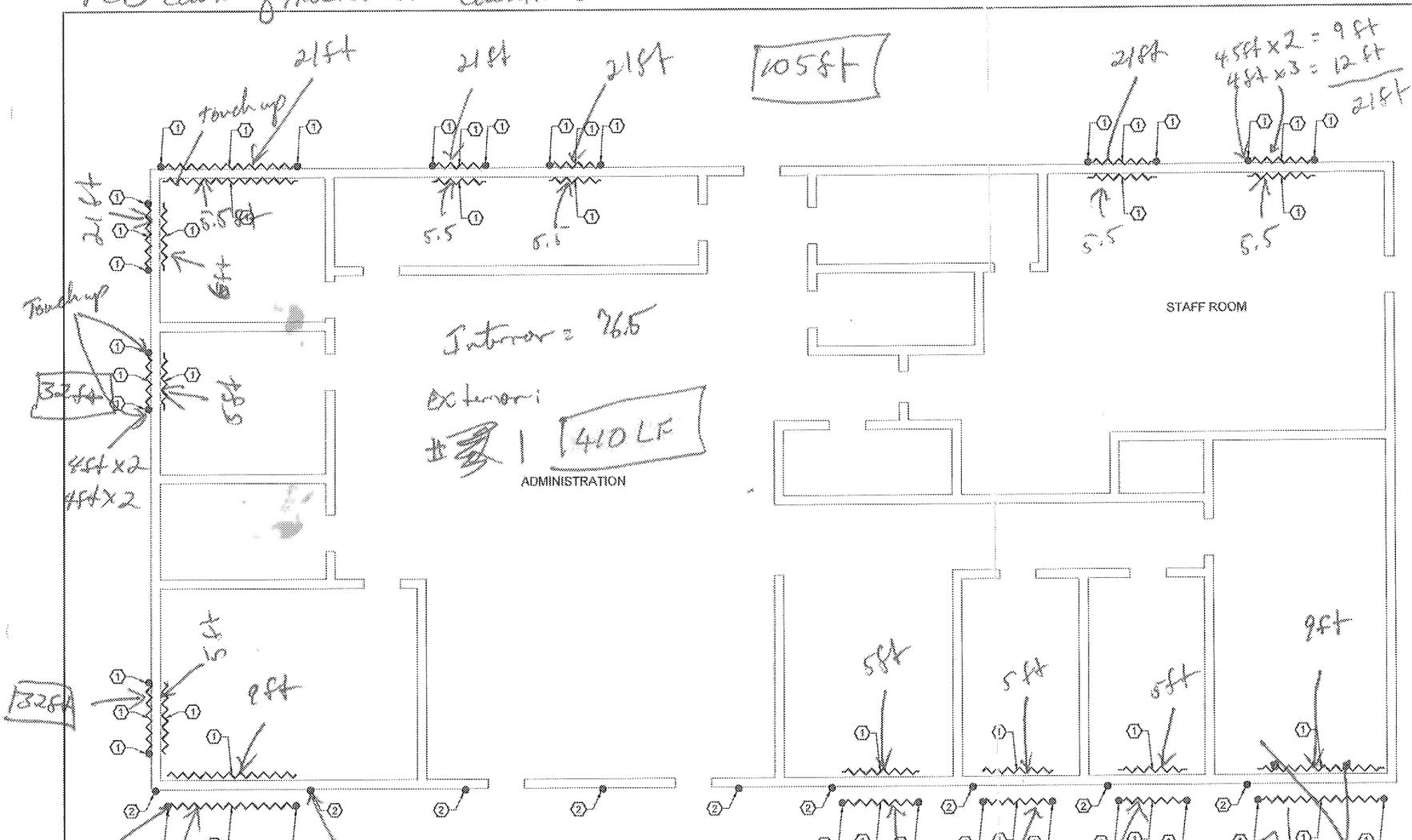
POD/LIBRBAY BUILDING
CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY
EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2016
DWG NO.	HM2
SHEET NO.	2 OF 5

PCB Caulking Abatement - Quantities



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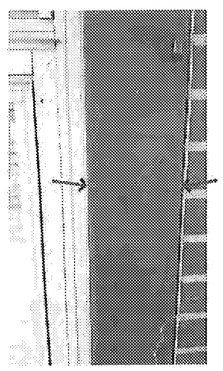

②PHOTO DETAIL

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY. THESE DRAWINGS, QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
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4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

① REMOVE APPROX. 400 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL INTERIOR METAL WINDOW SILL TRANSITIONS AND ALL EXTERIOR METAL WINDOW FRAME TRANSITIONS THROUGHOUT THE ADMINISTRATION BUILDING AS SHOWN.

② REMOVE APPROX. 175 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL EXTERIOR VERTICAL STRUCTURAL METAL BEAM TRANSITIONS THROUGHOUT THE ADMINISTRATION BUILDING AS SHOWN.

LEGEND

- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUN

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MONROE SCHOOL DISTRICT

ADMIN BUILDING
CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

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EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2018
DWG NO.	HM3
SHEET NO.	3 OF 5

ED_004522_00089866-00094

PCB caulking Abatement - Quantities

#1 = 30ft

7.5ft #1 = 15ft

20ft x 3 = 65ft

7.5ft #1

7.5ft #1

4.5ft #1

4.5x3=14ft #3

39ft

7.5ft x 2 = 15ft

7.5ft

14ft x 2

7.5ft

7.5ft

#1 39ft

#3 7.5ft

ROOM F

13ft

4ft

PREP ROOM F

#1 15ft

#2 15ft

ROOM C

GREENHOUSE

24ft

42ft

#3 = 109ft

7.5ft

15ft

42ft

26ft

24ft

14ft

ROOM A

130.5

ROOM E

#1 26ft

#2 25ft

ROOM E

#1 16ft

#2 14ft

6ft

ROOM D

ROOM B

29ft x 3

29ft

#3 7.5ft(2) + 32ft(2)

#2 8ft

ANNEX BUILDING

NOT TO SCALE

#3 32ft x 3 = 96

#1 6ft 2 = 12

#2 8ft

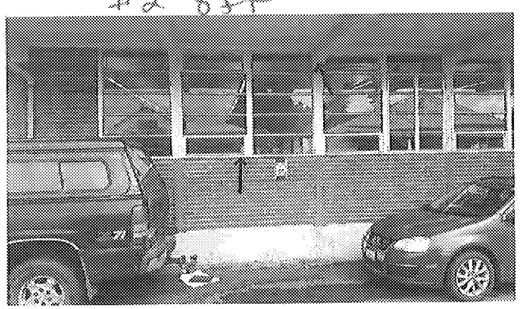
#1 = 141ft

#2 = 36ft

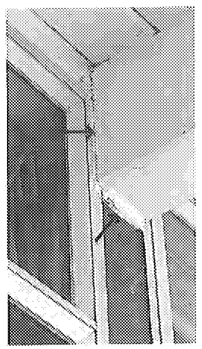
#3 = 130.5 + 96 + 90 + 64 =

29ft + 131 + 96 + 29 = 335 ft

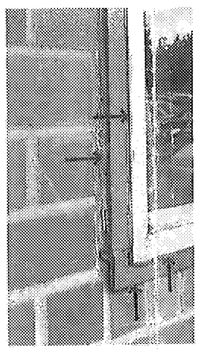
90 + 64 = 490 ft



①②③ PHOTO DETAIL



② PHOTO DETAIL



①③ PHOTO DETAIL

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 026400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
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4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

① REMOVE APPROX. 260 LF OF PCB-CONTAINING CAULKING LOCATED ON INTERIOR PERIMETER METAL WINDOW FRAME TRANSITIONS. THIS INCLUDES REMOVAL OF CAULKING WHICH EXISTS ON EXTERIOR METAL WINDOW FRAME TRANSITIONS ON THE NORTH AND SOUTH BUILDING ELEVATION WINDOWS AS SHOWN.

② REMOVE APPROX. 80 LF OF PCB-CONTAINING CAULKING ON WOOD CEILING/SOFFIT BEAMS AT PERIMETER WALL/CEILING TRANSITIONS IN ROOMS E, F AND PREP ROOM F AS SHOWN. 580 LF

③ REMOVE APPROX. 300 LF OF PCB AND ASBESTOS-CONTAINING TAN CAULKING LOCATED ON VARIOUS VERTICAL AND HORIZONTAL METAL WINDOW FRAME TRANSITIONS ON THE NORTH AND SOUTH ELEVATIONS OF THE ANNEX BUILDING AS SHOWN.

LEGEND

- VERTICAL CAULKING RUN
- CAULKING ON BEAM
- HORIZONTAL CAULKING RUN

NOT TO SCALE

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MONROE SCHOOL DISTRICT

ANNEX BUILDING
CAULKING ABATEMENT PLAN

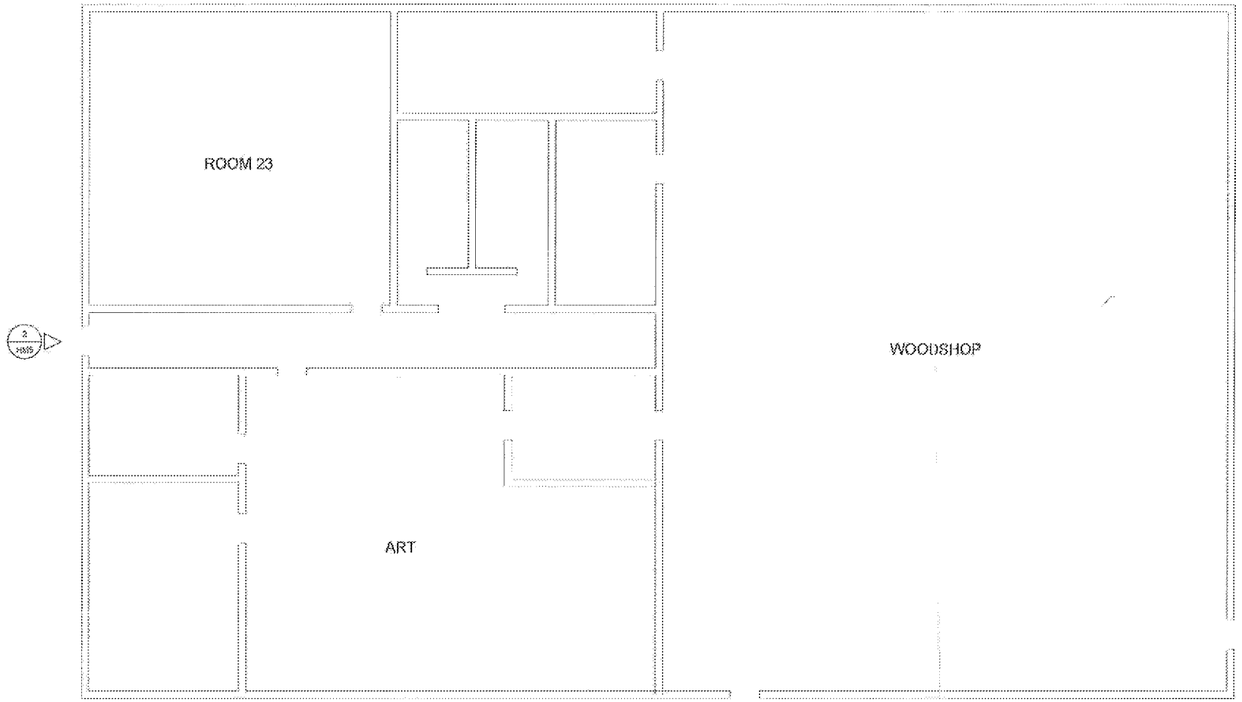
SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.060
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2016
DWG NO:	HM4
SHEET NO:	4 OF 5

ED_004522_00089866-00095

PCB Caulking Abatement - Quantities



GENERAL NOTES

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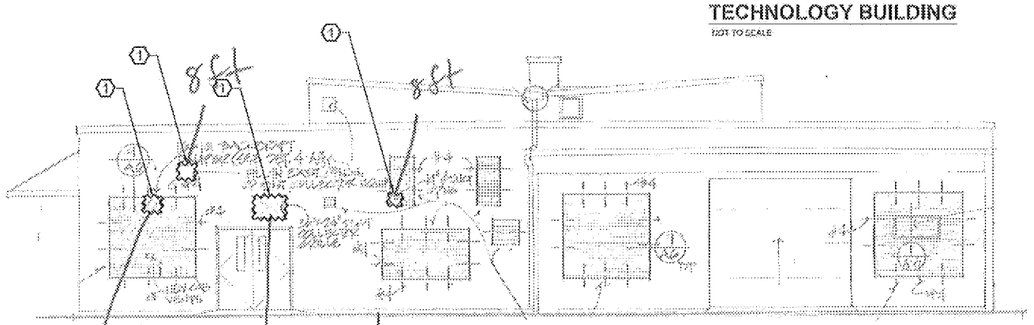
4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

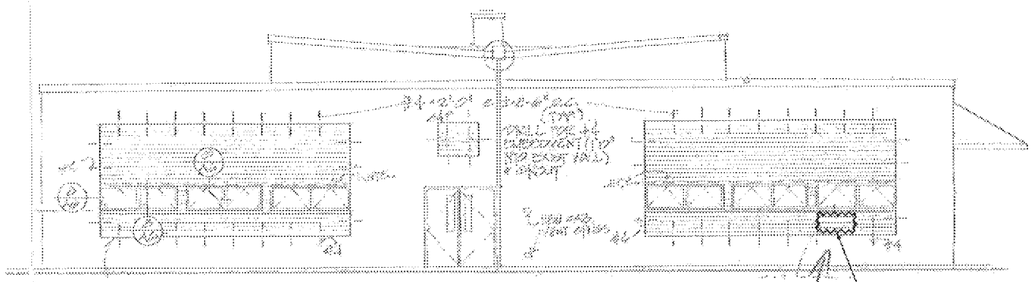
① REMOVE APPROX. 60 LF OF PCB-CONTAINING CAULKING LOCATED ON EXTERIOR LOUVERS, VENTS AND DUCTING ON METAL TRANSITIONS ON THE WEST AND EAST EXTERIOR ELEVATIONS OF THE TECHNOLOGY BUILDING AS SHOWN.

TECHNOLOGY BUILDING

NOT TO SCALE



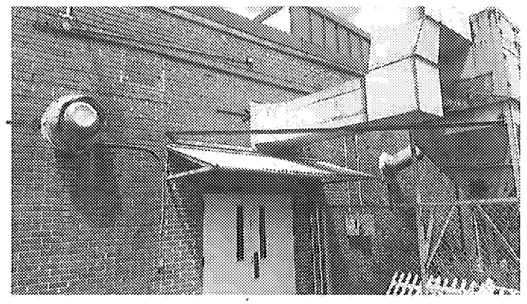
1 HM5 TECHNOLOGY BUILDING EAST NOT TO SCALE



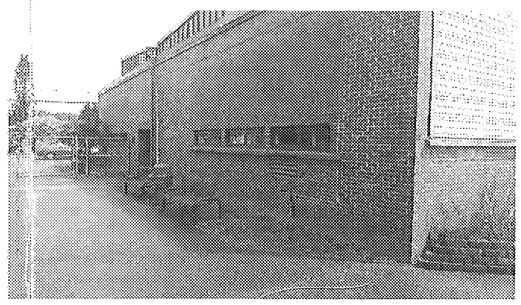
2 HM5 TECHNOLOGY BUILDING WEST NOT TO SCALE

visually cleared 8/30/16
44in x 2 = 88in
21in x 2 = 42in
130in = 10.8ft

~~60~~ 55 LF
Total



① PHOTO DETAIL



① PHOTO DETAIL

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MONROE SCHOOL DISTRICT

TECHNOLOGY BUILDING
CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

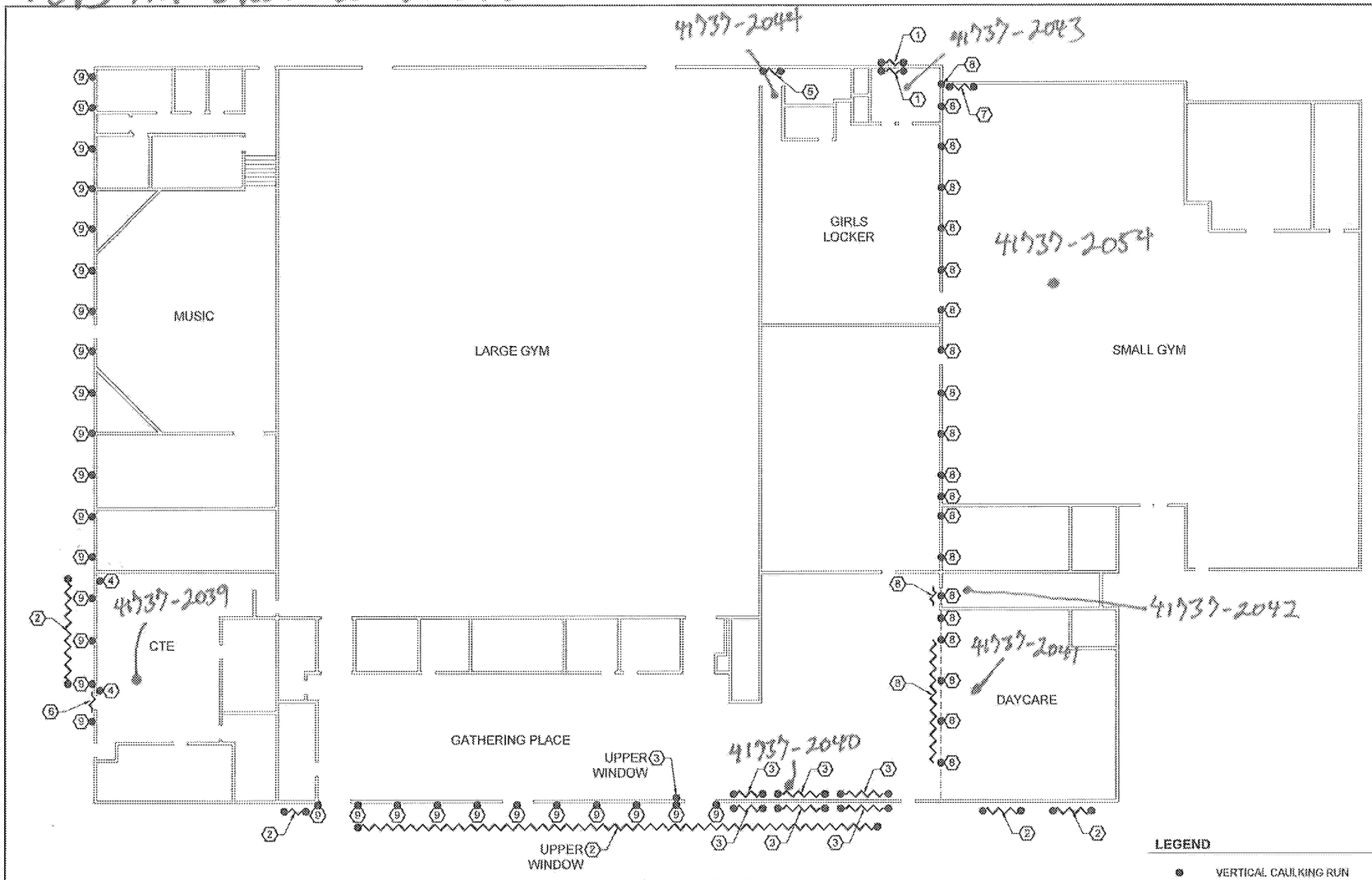
SKY VALLEY EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2016
BASE NO.	SHEET NO.
HM5	5 OF 5

ED_004522_00089866-00096

TAB 4
PCB Air Sample Lab Reports
Sample Location Field Drawings

PCB Air Clearances Locations



GYM BUILDING
NOT TO SCALE

LEGEND

- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUNS

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
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4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

(1) REMOVE APPROX. 20 LF OF PCB-CONTAINING CAULKING LOCATED ON THE EXTERIOR AND INTERIOR METAL WINDOW FRAME ON THE GIRLS LOCKER ROOM NORTH PERIMETER WINDOW AS SHOWN.

(2) REMOVE APPROX. 300 LF OF PCB-CONTAINING CAULKING ON THE EXTERIOR METAL WINDOW FRAMES ON ALL WINDOWS AT THE SOUTH AND WEST ELEVATIONS OF THE LARGE GYM BUILDING AS SHOWN. THIS INCLUDES CAULKING THAT EXISTS AROUND EACH WINDOW INFILL PANEL METAL FRAME TRANSITION ON THE WEST ELEVATION. THESE INFILL PANELS ARE CEMENT ASBESTOS BOARD.

(3) REMOVE APPROX. 48 LF OF PCB-CONTAINING CAULKING LOCATED ON INTERIOR SIDE OF THE THREE LOWER WINDOWS AND THE UPPER WINDOW BANK EAST VERTICAL IN THE GATHERING PLACE AS SHOWN.

(4) REMOVE APPROX. 18 LF OF PCB-CONTAINING OF CAULK ON INTERIOR WINDOW FRAME VERTICALS IN THE CTE ROOM AS SHOWN.

(5) REMOVE APPROX. 18 LF OF PCB-CONTAINING OF CAULK ON INTERIOR SIDE OF NORTH EXTERIOR GIRLS LOCKER ENTRY DOOR AS SHOWN.

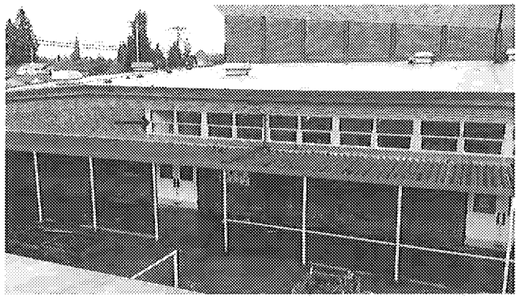
(6) REMOVE APPROX. 18 LF OF PCB-CONTAINING OF CAULK ON EXTERIOR SIDE OF NORTH CTE ENTRY DOOR AS SHOWN.

(7) REMOVE APPROX. 18 LF OF PCB-CONTAINING OF CAULK ON THE INTERIOR SIDE OF THE NORTHWEST PERIMETER ENTRY DOOR FRAME OF THE SMALL GYM AS SHOWN.

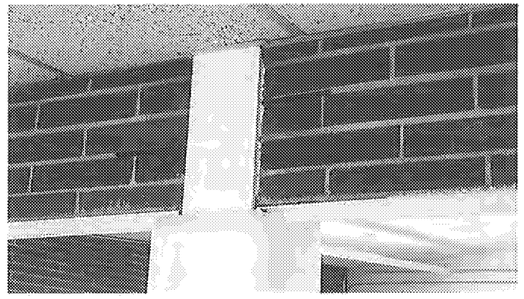
(8) REMOVE APPROX. 500 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL VERTICAL STRUCTURAL METAL COLUMN TRANSITIONS THROUGHOUT THE EAST ELEVATION OF THE LARGE GYM AS SHOWN. THIS INCLUDES THE REMOVAL OF ALL CAULKING ON THE INTERIOR DEMISING WALL METAL BEAMS (VERTICAL AND HORIZONTAL) BETWEEN THE DAYCARE AND THE GATHERING PLACE/CAFETERIA AS SHOWN. THE CAULKING IS HEAVILY PAINTED THROUGHOUT THE WORK SCOPE AREA.

(9) REMOVE APPROX. 780 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL EXTERIOR VERTICAL STRUCTURAL METAL COLUMN TRANSITIONS THROUGHOUT THE LOWER WEST AND SOUTH ELEVATIONS OF THE LARGE GYM BUILDING AS SHOWN.

NOT TO SCALE



②⑨PHOTO DETAIL



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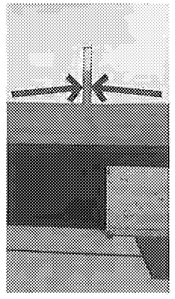


⑧PHOTO DETAIL

PBS
Engineering + Environmental
2517 Eastlake Ave East Suite 100
Seattle, WA 98102
206.233.9639
www.pbsenv.com

MONROE SCHOOL DISTRICT

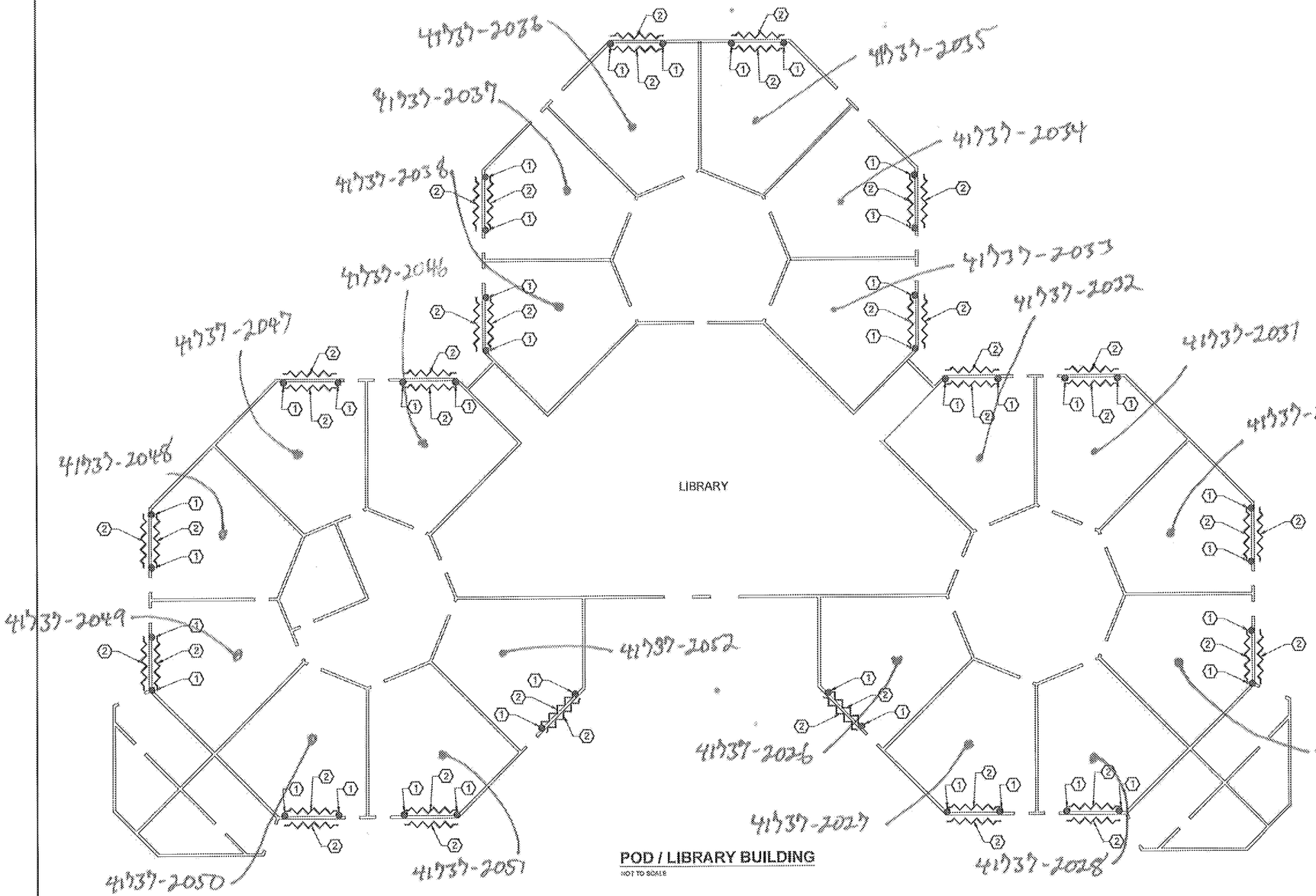
GYM BUILDING
CAULKING ABATEMENT PLAN
SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2016
DWG NO.	HM1
SHEET NO.	1 OF 5

ED_004522_00089866-00098

PCB Air Cleaner Locations



POD / LIBRARY BUILDING
NOT TO SCALE

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028408 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
2. REMOVAL OF HAZARDOUS MATERIALS MAY COMPROMISE THE SECURITY OF THE SITE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINTAINING SITE SECURITY AND PUBLIC SAFETY THROUGHOUT THE PROJECT. SEE SPECIFICATIONS REGARDING SECURITY AND PUBLIC SAFETY.
3. ABATEMENT CONTRACTOR TO COORDINATE ALL ACTIVITIES WITH ALL OTHER ONSITE WORK INCLUDING, BUT NOT LIMITED TO: SCHEDULE, ACCESS, STAGING, ETC. ABATEMENT CONTRACTOR TO REPORT LOCATIONS AND QUANTITIES OF ALL HAZARDOUS MATERIALS TO BE REMOVED, TO THE OWNERS REPRESENTATIVE PRIOR TO ABATEMENT/DEMOLITION.
4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

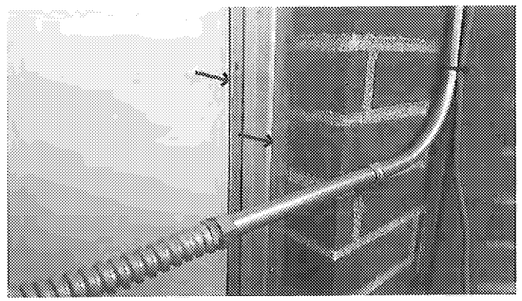
KEY NOTES

① REMOVE APPROX. 500 LF OF PCB-CONTAINING CAULKING LOCATED ON INTERIOR PERIMETER METAL WINDOW FRAME TO BRICK TRANSITION VERTICALS IN EACH OF CLASSROOMS 1-20 AS SHOWN.

② REMOVE APPROX. 1,400 LF OF PCB-CONTAINING CAULKING ON THE INTERIOR AND EXTERIOR SIDES OF THE CEMENT ASBESTOS BOARD (CAB) WINDOW INFILL PANELS. THE CAULKING FILLS THE GAP BETWEEN THE METAL WINDOW FRAME AND CAB TRANSITION IN EACH OF CLASSROOMS 1-20 AS SHOWN.

LEGEND

- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUN



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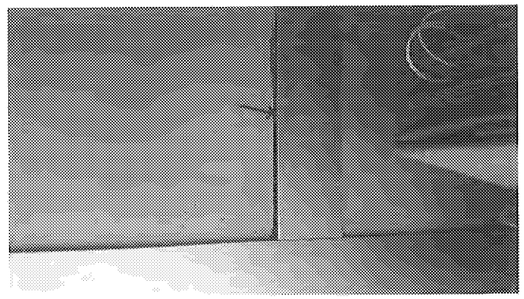
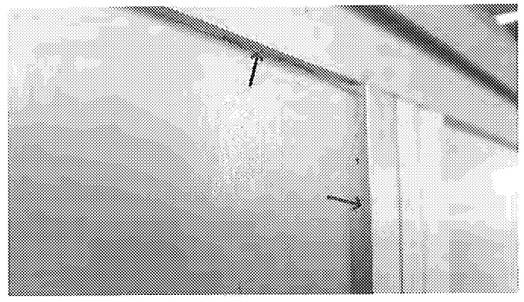


②PHOTO DETAIL



②PHOTO DETAIL

NOT TO SCALE

PBS
Engineering + Environmental
2517 Eastlake Ave East
Suite 100
Seattle, WA 98102
206.233.9639
www.pbsenv.com

MONROE SCHOOL DISTRICT

POD/LIBRARY BUILDING
CAULKING ABATEMENT PLAN

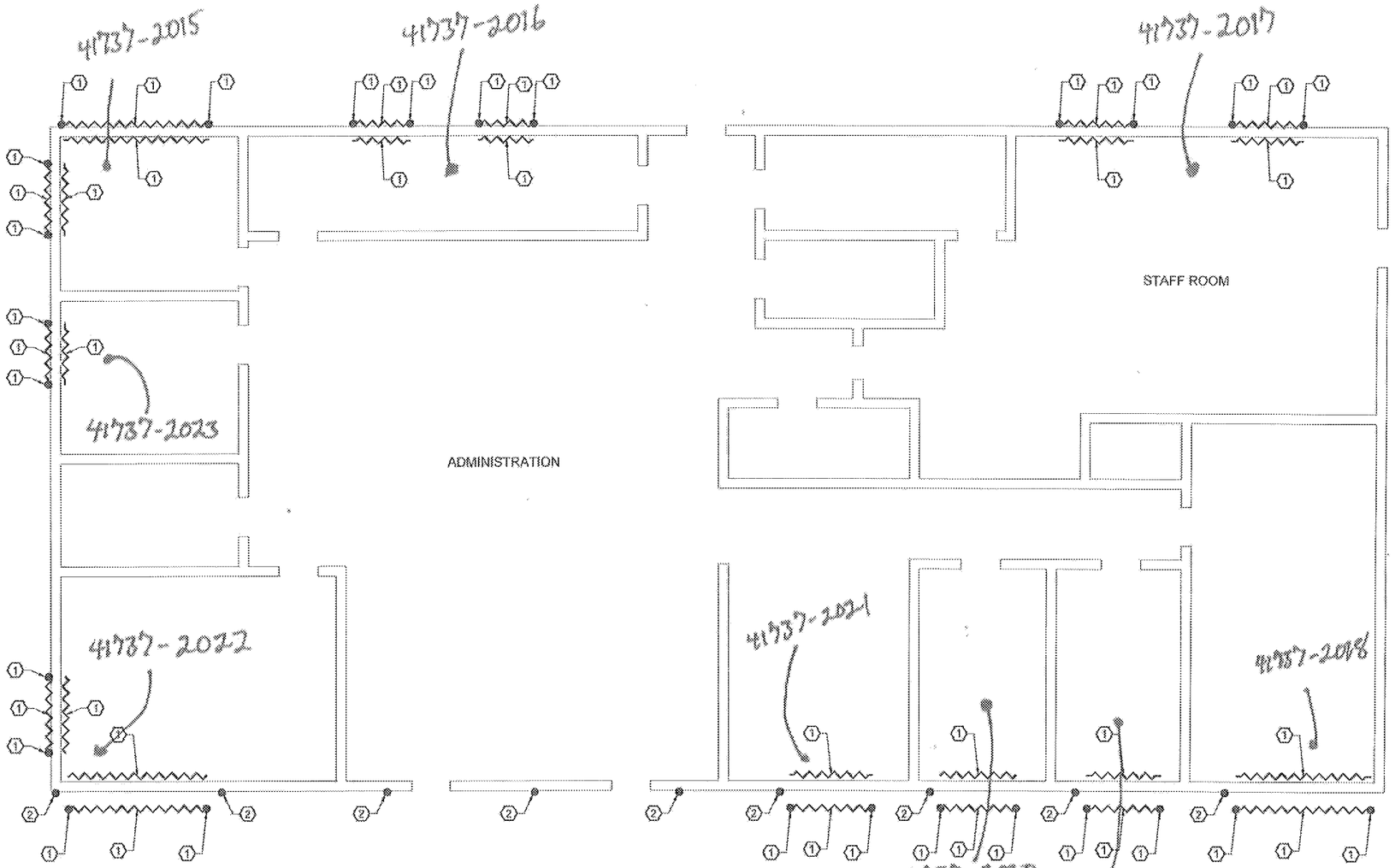
SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY
EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2016
DWG NO.	SHEET NO.
HM2	2 OF 5

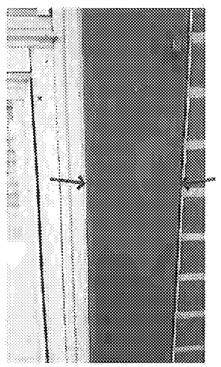
ED_004522_00089866-00099

PCB Air Cleaner Locations



ADMIN BUILDING
NOT TO SCALE

①PHOTO DETAIL



②PHOTO DETAIL

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
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4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

① REMOVE APPROX. 450 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL INTERIOR METAL WINDOW SILL TRANSITIONS AND ALL EXTERIOR METAL WINDOW FRAME TRANSITIONS THROUGHOUT THE ADMINISTRATION BUILDING AS SHOWN.

② REMOVE APPROX. 175 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL EXTERIOR VERTICAL STRUCTURAL METAL BEAM TRANSITIONS THROUGHOUT THE ADMINISTRATION BUILDING AS SHOWN.

LEGEND

◆ VERTICAL CAULKING RUN

HORIZONTAL CAULKING RUN

NOT TO SCALE

PBS
Engineering + Environmental
2517 Eastlake Ave East
Suite 100
Seattle, WA 98102
206.233.9639
www.pbsenv.com

MONROE SCHOOL DISTRICT

ADMIN BUILDING
CAULKING ABATEMENT PLAN

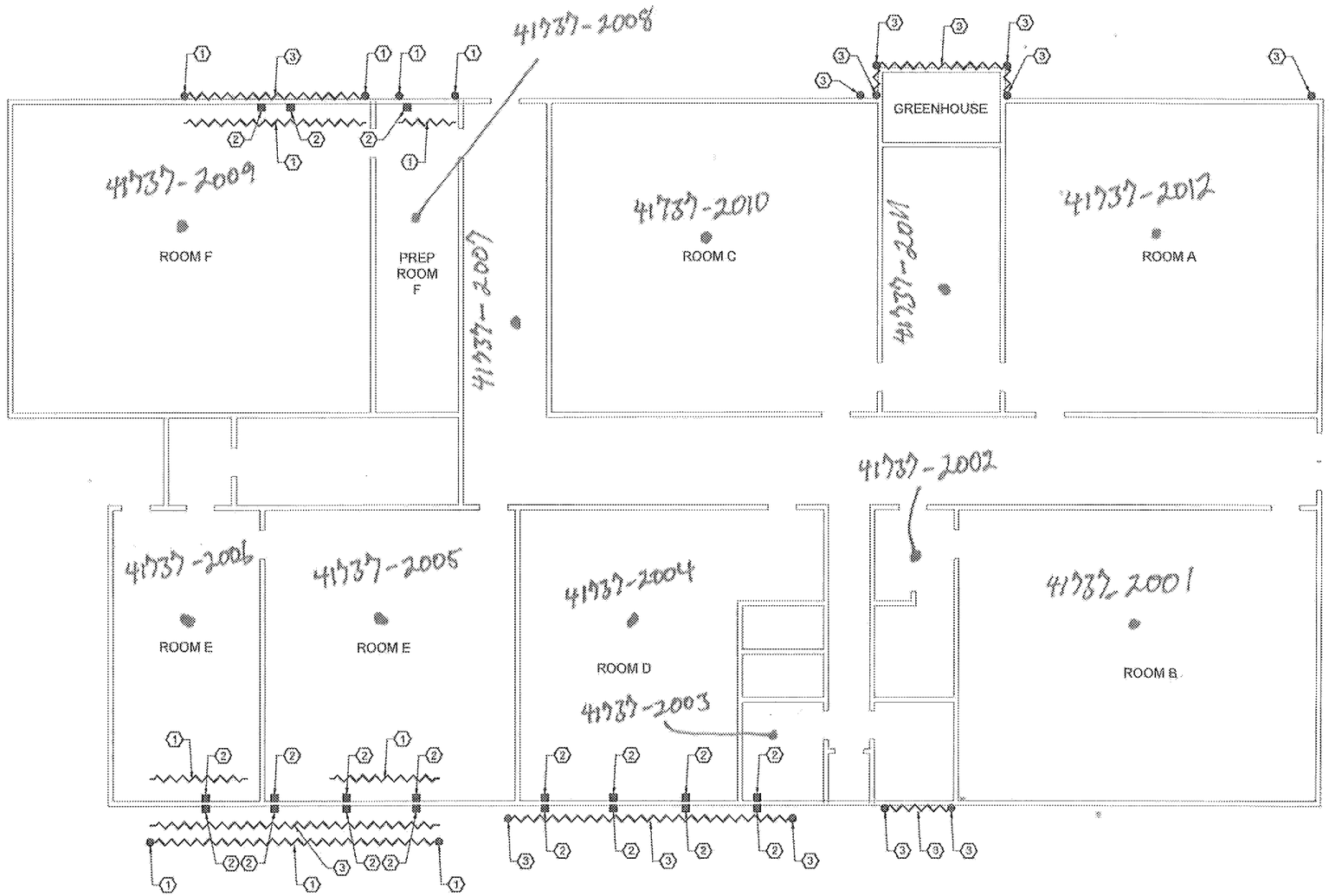
SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY
EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2016
DWG NO.	SHEET NO.
HM3	3 OF 5

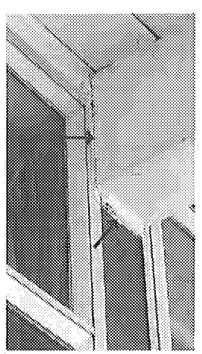
ED_004522_00089866-00100

PCB Air Clearance Locations

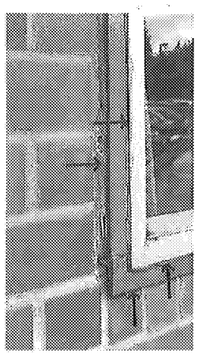


ANNEX BUILDING
NOT TO SCALE

①②③ PHOTO DETAIL



② PHOTO DETAIL



①③ PHOTO DETAIL

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
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4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

① REMOVE APPROX. 200 LF OF PCB-CONTAINING CAULKING LOCATED ON INTERIOR PERIMETER METAL WINDOW FRAME TRANSITIONS. THIS INCLUDES REMOVAL OF CAULKING WHICH EXISTS ON EXTERIOR METAL WINDOW FRAME TRANSITIONS ON THE NORTH AND SOUTH BUILDING ELEVATION WINDOWS AS SHOWN.

② REMOVE APPROX. 60 LF OF PCB-CONTAINING CAULKING ON WOOD CEILING/SOFFIT BEAMS AT PERIMETER WALL/CEILING TRANSITIONS IN ROOMS E, F AND PREP ROOM F AS SHOWN.

③ REMOVE APPROX. 300 LF OF PCB AND ASBESTOS-CONTAINING TAN CAULKING LOCATED ON VARIOUS VERTICAL AND HORIZONTAL METAL WINDOW FRAME TRANSITIONS ON THE NORTH AND SOUTH ELEVATIONS OF THE ANNEX BUILDING AS SHOWN.

LEGEND

- VERTICAL CAULKING RUN
- CAULKING ON BEAM
- HORIZONTAL CAULKING RUN

NOT TO SCALE

PBS
Engineering + Environmental
2517 Eastlake Ave East
Suite 100
Seattle, WA 98102
206.233.9639
www.pbsenv.com

MONROE SCHOOL DISTRICT

ANNEX BUILDING
CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY
EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.009
DRAWN:	JHD
CHECKED:	CM
DATE:	JUNE 2016
DWG NO.	HM4
SHEET NO.	4 OF 5

ED_004522_00089866-00101

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

15958

☐ **REGULAR** Status

☒ **RUSH** Status Required - ADDITIONAL CHARGE

RESULTS REQUIRED BY 8/25/16 (DATE)

CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

Date 8/22/16 Purchase Order No. 41373.000

Company Name PBS Engineering & Environmental

Address 2517 Eastlake Ave. E #100

Seattle (City) WA (State) 98102 (Zip)

Send Report To Gregg Middaugh

Email Address gregg.middaugh@pbsenv.com

Telephone (206) 255-4659

Fax Telephone ( )

Billing Address (if different)
Same

Quote No.

Sampling Site SVEC

Date/Time of Collection 8/22 14:33

Project No. 41373.000

Lab Use Only	Client Sample Number	Media Type	Sample Volume (Liters)	ANALYSES REQUESTED - Use Method Number if Known
	41373-2001	Puf	2095	SEE Data Sheet EPA TO-10A PCB
	2002		2095	
	2003		2095	
	2004		2095	
	2005		2085	
	2006		2090	
	2007		2080	
	2008		2080	
	2009		2080	
	2010		2080	
	2011		2075	
	2012		2075	
	2013		—	BLANK
	2014		—	BLANK

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

CHAIN OF CUSTODY

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
Gregg Middaugh	8/22		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY

COOLER TEMP: °C | pH ADJUSTMENTS:

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER:

CUSTODY SEALS: NONE COOLER PACKAGE SAMPLES

EQUIP. RETURNED:

LABORATORY DATA SHEET

PBS
2517 Eastlake Ave. E.,
#100, Seattle, WA 98102
206/233-9639
FAX 206-782-4780

Project Name: Sky Valley Ed Ctr.
PBS Project No.: 41373.000
Location: Monroe, WA

IH: Cel Alvarez
SAMPLE MEDIA/ANALYTICAL METHOD: Pat Tubes/PCB Air
EPA TO-10A

WEATHER: Partly Cloudy
TEMP: 57-66 F
R.H. 77%
FIELD COUNT 100

Conditions: Post Abatement Clearance

RELINQUISHED BY (SIGN.): [signature]
DATE/TIME: 9/22/16 1430

RECEIVED BY (SIGN.): [signature]
DATE/TIME:

ANALYZED BY: ALS
DATE/TIME:

ANALYZED BY:
DATE/TIME:

REMARKS:

TWA:

CODES: P PERSONAL; IWA INSIDE WORK AREA; OWA OUTSIDE WORK AREA; C CLEARANCE; A AMBIENT AIR; B BLANK; PRE PRE-ABATEMENT; EX EXCURSION; TEM CLEARANCE SAMPLE; GBA GLOVE BAG AREA; H HEPA

DATE	SAMPLE NUMBER	CODE	PUMP	LOCATION ACTIVITY / PERSON	BLANK AVG	TIME ON	TIME OFF	TOTAL TIME	FLOW PRE	FLOW POST	FLOW AVG	TOTAL VOL	FIBERS/ FIELD	FIBERS/ CC
9/22/16	-2001	C	MH	Room B		6:54	1353	419	5	5	5	2095		
	-2002	C	007	Room B Sink Area		6:55	1354	419	5	5	5	2095		
	-2003	C	9376	Boys Restroom		6:56	1355	419	5	5	5	2095		
	-2004	C	MH273	Room D		6:57	1356	419	5	5	5	2095		
	-2005	C	9508	Room E east		6:59	1357	417	5	5	5	2085		
	-2006	C	1699	Room E West		7:00	1358	418	5	5	5	2090		
	-2007	C	8724	West Hallway		7:03	1359	416	5	5	5	2080		
	-2008	C	8215	Room F Prep Rm		7:04	1400	416	5	5	5	2080		
	-2009	C	13	Room F		7:05	1401	416	5	5	5	2080		
	-2010	C	3	Room C		7:06	1402	416	5	5	5	2080		
	-2011	C	32	Room between C/A		7:08	1403	415	5	5	5	2075		
✓	-2012	C	6358	Room A		7:09	1404	415	5	5	5	2075		
Recount Sample #			Recount											
Recount Sample #			Recount											
Reference Slide #			Count											

ED_004522_00089866-00103

LABORATORY DATA SHEET

PBS
2517 Eastlake Ave. E.,
#100, Seattle, WA 98102
206/233-9639
FAX 206-762-4789

Project Name: Sky Valley Ed Ctr.
PBS Project No.: 41353.000
Location: Monroe WA
IH: Carl Alvarez
SAMPLE MEDIA/ANALYTICAL METHOD: P&F Tubes/ PCB Air
WEATHER: Partly Cloudy
TEMP: 42-44 F
R.H. 77%
FIELD COUNT 100
Conditions: Post Abatement Clearance
RELINQUISHED BY (SIGN.): DATE/TIME: 8/22/16 1430
RECEIVED BY (SIGN.): DATE/TIME:
ANALYZED BY: DATE/TIME:
ANALYZED BY: DATE/TIME:
REMARKS:
TWA:

CODES: P PERSONAL; IWA INSIDE WORK AREA; OWA OUTSIDE WORK AREA; C CLEARANCE; A AMBIENT AIR; B BLANK; PRE PRE-ABATEMENT; EX EXCURSION; TEM CLEARANCE SAMPLE; GBA GLOVE BAG AREA; H HEPA

DATE	SAMPLE NUMBER	CODE	PUMP	LOCATION ACTIVITY / PERSON	BLANK AVG	TIME ON	TIME OFF	TOTAL TIME	FLOW PRE	FLOW POST	FLOW AVG	TOTAL VOL	FIBERS/ FIELD	FIBERS/ CC
8/22/16	-2013	C		Blank										
"	-2014	C		Blank										
Recount Sample #		Recount												
Recount Sample #		Recount												
Reference Slide #		Count												

ED_004522_00089866-00104

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

18890

☐ **REGULAR** Status

☒ **RUSH** Status Required - ADDITIONAL CHARGE

RESULTS REQUIRED BY _____ DATE

CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

Page: 1 of 1

Date 8/24/16 Purchase Order No. 41373.000

Company Name PBS Engineering & Environmental

Address 2517 Eastlake Ave E. #100

Seattle, WA 98102
City State Zip

Send Report To Gregg Middaugh

Email Address gregg.middaugh@pbsenv.com

Telephone (206) 255-4650

Alt. Contact Name Cel Alvarez

Alt. Contact Info cel.alvarez@pbsenv.com

Quote No. _____

Sampling Site SVEC

Date/Time of Collection 8/24/16 1400

Project No. 41373.000

Billing Address (if different)

Same

Lab Use Only	Client Sample Number CA	Media Type	Sample Volume (L)/ Sample Time (min.)	ANALYSIS REQUESTED - Use Method Number if Known
	41373 – 20815	Puf	2105	SEE DATASHEET - EPA TO-10A PCB
	20816		2100	
	20817		2090	
	2018		2095	
	2019		2090	
	2020		2085	
	2021		2100	
	2022		2095	
	2023		2100	
	2024		—	Blank
	2025		—	Blank

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

CHAIN OF CUSTODY

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
	8/24/16 1400		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY						DELIVERY METHOD:	CLIENT	DROP BOX	FEDEX	UPS
COOLER TEMP:	°C	pH ADJUSTMENTS:				STD MAIL	PRTY MAIL	ALS	COURIER	OTHER:
COOLING METHOD:	NONE	COOLER	WET ICE	DRY ICE	ICE PACK	CUSTODY SEALS:	NONE	COOLER	PACKAGE	SAMPLES
						EQUIP. RETURNED:				

LABORATORY DATA SHEET

PBS
2517 Eastlake Ave. E 4100
Seattle, WA 98102
206/233-9639
FAX 206-762-4780

Project Name: Sky Valley Ed Ctr	I.H. Cel Alvarez	WEATHER Clear	Conditions: Min. Contaminants
Project No.: 41373.000	SAMPLE MEDIA/ANALYTICAL METHOD: EPA TO-10A	TEMP: 54-80	
Location: Monroe WA		R.H. 91%	
Contractor: North Star		FIELD COUNT 100	
Client: Monroe School Dist			
RELINQUISHED BY (SIGN.) [signature]	DATE/TIME: 8/24/16 1400	ANALYZED BY: ALS	DATE/TIME:
RECEIVED BY (SIGN.) [signature]	DATE/TIME:	ANALYZED BY:	DATE/TIME:
			REMARKS:
			TWA:

CODES: P PERSONAL; IWA INSIDE AREA; OWA OUTSIDE AREA; C CLEARANCE; A AMBIENT AIR; B BLANK; PRE PRE-ABATEMENT; EX EXCURSION; TEM CLEARANCE SAMPLE; GBA GLOVE BAG AREA; H HEPA

DATE	SAMPLE NUMBER	CODE	PUMP	LOCATION ACTIVITY / PERSON	BLANK AVG	TIME ON	TIME OFF	TOTAL TIME	FLOW PRE	FLOW POST	FLOW AVG	TOTAL VOL(L)		
8/24/16	.2015	C	007	Karen Rosencrans Office		6:15	1316	421	5	5	5	2105		
	.2016	C	MH	Conference Rm C		6:17	1317	420	5	5	5	2100		
	2017	C	6358	Staff Room		6:18	1320	418	5	5	5	2090		
	.2018	C	8724	Nurse Room		6:23	1322	419	5	5	5	2095		
	.2019	C	9508	Conselor Room		6:25	1323	418	5	5	5	2090		
	.2020	C	1699	Gary Marks Room		6:27	1324	417	5	5	5	2085		
	.2021	C	MH 275	Mail Area		6:29	1328	420	5	5	5	2100		
	.2022	C	8715	Colin Eggers Rm		6:30	1329	419	5	5	5	2095		
	.2023	C	13	Sarah Perrys Rm		6:31	1331	420	5	5	5	2100		
	.2024	C	—	Blank		—	—	—	—	—	—	—		
	.2025	C	—	Blank		—	—	—	—	—	—	—		
Recount Sample #			Recount											

18913

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

☐ **REGULAR** Status

☒ **RUSH** Status Required - ADDITIONAL CHARGE
RESULTS REQUIRED BY 9/1/16 DATE
CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

Page: 1 of 2

Date 8/29/16 Purchase Order No. 41373.000
Company Name PBS Eng.: Env.
Address 2517 Eastlake Ave E #100
Seattle, WA 98102
City State Zip
Send Report To Gregg Middaugh
Email Address gregg.middaugh@pbsenv.com
Telephone (206) 255-4659
Alt. Contact Name Cel Alvarez
Alt. Contact Info 206-348-9774

Quote No.
Sampling Site SVEC
Date/Time of Collection 8/29/16 1400
Project No. 41373.000
Billing Address (if different)

Lab Use Only	Client Sample Number	Media Type	Sample Volume (L)/ Sample Time (min.)	ANALYSIS REQUESTED - Use Method Number if Known
	41373-2026	Puf	See Data Sheet	See Data Sheet - EPA TO-10A PCB
	2027			
	2028			
	2029			
	2030			
	2031			
	2032			
	2033			
	2034			
	2035			
	2036			
	2037			
	2038			
	2039			
	2040			
	2041			

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

CHAIN OF CUSTODY

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY		DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER:
COOLER TEMP: °C	pH ADJUSTMENTS:	CUSTODY SEALS: NONE COOLER PACKAGE SAMPLES
COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK		EQUIP. RETURNED:

18915

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

☐ REGULAR Status

☒ RUSH Status Required - ADDITIONAL CHARGE
RESULTS REQUIRED BY 9/1/16 (DATE)
CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

Page: 2 of 2

Date: 8/29/16 Purchase Order No. 41373.000
Company Name PBS Eng: Env
Address 2377 Eastlake Ave E #100
Seattle (City) WA (State) 98102 (Zip)
Send Report To Gregg Middaugh
Email Address gregg.middaugh@pbsenv.com
Telephone (206) 255-4659 2
Alt. Contact Name Cal Alvarez
Alt. Contact Info 206-348-9774

Quote No.
Sampling Site SVEC
Date/Time of Collection 8/29/16 1400
Project No. 41373.000
Billing Address (if different)

Lab Use Only	Client Sample Number	Media Type	Sample Volume (L)/ Sample Time (min.)	ANALYSIS REQUESTED - Use Method Number if Known
	41373-2042	PUF	See Data sheet	See data sheet - EPA TO-10A PCB
	2043	↓	↓	↓
	2044	↓	↓	↓
	2045	↓	↓	↓

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

CHAIN OF CUSTODY

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY

COOLER TEMP: °C | pH ADJUSTMENTS:

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS
STD MAIL PRTY MAIL ALS COURIER OTHER:

CUSTODY SEALS: NONE COOLER PACKAGE SAMPLES

EQUIP. RETURNED:

LABORATORY DATA SHEET

PBS
2517 Eastlake Ave. E. #100
Seattle, WA 98102
206/233-9639
FAX 206-762-4780

Project Name: Sky Valley Ed Ctr.
Project No.: 41373.000
Location: Monroe, WA
Contractor: North Star
Client: MSD

I.H. Cel Alvarez
SAMPLE MEDIA/ANALYTICAL METHOD: NIOSH 7400
EPA TO-10A

WEATHER: Overcast
TEMP: 73
R.H. 51%
FIELD COUNT 100

Conditions:

RELINQUISHED BY (SIGN.): DATE/TIME: 8/29/16 1430
RECEIVED BY (SIGN.): DATE/TIME:

ANALYZED BY:
ANALYZED BY:

DATE/TIME:
DATE/TIME:

REMARKS:
TWA:

CODES: P PERSONAL; IWA INSIDE AREA; OWA OUTSIDE AREA; C CLEARANCE; A AMBIENT AIR; B BLANK; PRE PRE-ABATEMENT; EX EXCURSION; TEM CLEARANCE SAMPLE; GBA GLOVE BAG AREA; H HEPA

DATE	SAMPLE NUMBER	CODE	PUMP	LOCATION ACTIVITY / PERSON	BLANK AVG	TIME ON	TIME OFF	TOTAL TIME	FLOW PRE	FLOW POST	FLOW AVG	TOTAL VOL	FIBERS/ FIELD	FIBERS/ CC
8/29/16	-2026	C	273	Room 1		6:22	1305	403	5	5	5	2015		
	-2027		007	Room 2		6:24	1306	402	5	5	5	2010		
	-2028		3	Room 3		6:26	1307	402	5	5	5	2010		
	-2029		9367	Room 4		6:28	1309	401	5	5	5	2005		
	-2030		32	Room 5		6:30	1312	402	5	5	5	2010		
	-2031		MH	Room 6		6:31	1314	403	5	5	5	2015		
	-2032		6358	Room 7		6:35	1315	400	5	5	5	2000		
	-2033		13	Room 8		6:38	1319	401	5	5	5	2005		
	-2034		6357	Room 9		6:40	1322	402	5	5	5	2010		
	2035		1699	Room 10		6:42	1324	402	5	5	5	2010		
	2036		7506	Room 11		6:43	1325	402	5	5	5	2010		
	2037		8724	Room 12		6:44	1327	403	5	5	5	2015		
	-2038		HF14	Room 13		6:45	1338	403	5	5	5	2015		
↓	-2039	↓	2485	Room CTE		6:50	1342	412	5	5	5	2060		
Recount Sample #			Recount											

ED_004522_00089866-00109

LABORATORY DATA SHEET

PBS
2517 Eastlake Ave. E. #100
Seattle, WA 98102
206/233-9639
FAX 206-762-4780

Project Name: Sky Valley Ed Ctr
Project No.: 41373.000
Location: Monroe, WA
Contractor: North Star
Client: MSD

I.H. Cel Alvarez
SAMPLE MEDIA/ANALYTICAL METHOD: NIOSH 7400
EPA TO-10A

WEATHER: Overcast
TEMP: 73
R.H. 51%
FIELD COUNT 100

Conditions:

RELINQUISHED BY (SIGN.): [signature] DATE/TIME: 8/29/16 1430
RECEIVED BY (SIGN.): DATE/TIME:

ANALYZED BY: DATE/TIME:
ANALYZED BY: DATE/TIME:

REMARKS:
TWA:

CODES: P PERSONAL; IWA INSIDE AREA; OWA OUTSIDE AREA; C CLEARANCE; A AMBIENT AIR; B BLANK; PRE PRE-ABATEMENT; EX EXCURSION; TEM CLEARANCE SAMPLE; GBA GLOVE BAG AREA; H HEPA

DATE	SAMPLE NUMBER	CODE	PUMP	LOCATION ACTIVITY / PERSON	BLANK AVG	TIME ON	TIME OFF	TOTAL TIME	FLOW PRE	FLOW POST	FLOW AVG	TOTAL VOL	FIBERS/ FIELD	FIBERS/ CC
8/29/16	-2040	C	2489	Commons S wall		6:53	1344	411	5	5	5	2055		
	-2041		2490	Commons Day Care		6:56	1346	410	5	5	5	2050		
	-2042		2486	Weight Room		7:00	1349	409	5	5	5	2045		
	-2043		2487	Girls Locker Storage		7:02	1350	408	5	5	5	2040		
	-2044	↓	2488	Girls Locker Exit Door		7:04	1352	408	5	5	5	2040		
↓	-2045	B	—	Blank										
Recount Sample #			Recount											

ED_004522_00089866-00110

18888

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

☐ REGULAR Status

☒ RUSH Status Required - ADDITIONAL CHARGE
RESULTS REQUIRED BY 9/2/16 (DATE)
CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

Page: 1 of 1

Date 8/30/16 Purchase Order No. 41373.000 Quote No.

Company Name PBS Eng & Env Sampling Site SVEC

Address 2517 Eastlake Ave E #100 Date/Time of Collection

Seattle (City) WA (State) 98102 (Zip) Project No. 41373.000

Send Report To Gregg Middaugh Billing Address (if different)

Email Address gregg.middaugh@pbsenv.com Same

Telephone (206) 255-4659

Alt. Contact Name Cel Alvarez

Alt. Contact Info 206-348-9774 Stella Hanis - Project Manager

Lab Use Only	Client Sample Number	Media Type	Sample Volume (L)/ Sample Time (min.)	ANALYSIS REQUESTED - Use Method Number if Known
	41373-2046	Air	See Data Sheet	See Data Sheet - ERATO-10A PCBs
	2047			
	2048			
	2049			
	2050			
	2051			
	2052			
	2053			

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

CHAIN OF CUSTODY

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
	8/30/16 1400		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY						DELIVERY METHOD:	CLIENT	DROP BOX	FEDEX	UPS
COOLER TEMP:	°C	pH ADJUSTMENTS:				STD MAIL	PRTY MAIL	ALS	COURIER	OTHER:
COOLING METHOD:	NONE	COOLER	WET ICE	DRY ICE	ICE PACK	CUSTODY SEALS:	NONE	COOLER	PACKAGE	SAMPLES
						EQUIP. RETURNED:				

LABORATORY DATA SHEET

PBS
2517 Eastlake Ave. E. #100
Seattle, WA 98102
206/233-9639
FAX 206-762-4780

Project Name: Sky Valley Ed Ctr.
Project No.: 41373.000
Location: Monroe, WA
Contractor: North Star
Client: MSD

I.H. Cel Alvarez
SAMPLE MEDIA/ANALYTICAL METHOD: NIOSH 7400
EPA TO-10A

WEATHER: Overcast
TEMP: 57-72
R.H. 84%
FIELD COUNT 100

Conditions:

RELINQUISHED BY (SIGN.): DATE/TIME: 8/30/16 1400
RECEIVED BY (SIGN.): DATE/TIME:

ANALYZED BY: DATE/TIME:
ANALYZED BY: DATE/TIME:

REMARKS:
TWA:

CODES: P PERSONAL; IWA INSIDE AREA; OWA OUTSIDE AREA; C CLEARANCE; A AMBIENT AIR; B BLANK; PRE PRE-ABATEMENT; EX EXCURSION; TEM CLEARANCE SAMPLE; GBA GLOVE BAG AREA; H HEPA

DATE	SAMPLE NUMBER	CODE	PUMP	LOCATION ACTIVITY / PERSON	BLANK AVG	TIME ON	TIME OFF	TOTAL TIME	FLOW PRE	FLOW POST	FLOW AVG	TOTAL VOL	FIBERS/ FIELD	FIBERS/ CC
8/30/16	2046	C	13	Room 14		6:28	1308	400	5	5	5	2000		
	2047		6357	Room 15		6:30	1310	400	5	5	5	2000		
	2048		HF14	Room 16		6:32	1313	401	5	5	5	2005		
	2049		8724	Room 17		6:33	1315	402	5	5	5	2010		
	2050		9508	Room 18		6:34	1317	403	5	5	5	2015		
	2051		1699	Room 19		6:36	1319	403	5	5	5	2015		
	2052		273	Room 20		6:38	1321	403	5	5	5	2015		
	2053	B	·	Blank										
Recount Sample #			Recount											

ED_004522_00089866-00112

18889

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

☐ **REGULAR Status**

☒ **RUSH Status Required - ADDITIONAL CHARGE**
RESULTS REQUIRED BY 9/6/2016 (DATE)
CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

Page: 1 of 1

Date 9/1/16 Purchase Order No. 41373.000
Company Name PBS Engineering & Environmental
Address 2517 Eastlake Ave E. #100
Seattle (City) WA (State) 98102 (Zip)
Send Report To Gregg Middaugh
Email Address gregg.middaugh@pbsenv.com
Telephone (206) 255-4654
Alt. Contact Name Cel Alvarez
Alt. Contact Info 206-348-9374

Quote No.
Sampling Site SVEC
Date/Time of Collection
Project No. 41373.000
Billing Address (if different)
Sam
Stella Harris - Project Manager

Lab Use Only	Client Sample Number	Media Type	Sample Volume (L)/ Sample Time (min.)	ANALYSIS REQUESTED - Use Method Number if Known
	41373-2054	Puf	2,050(L)	Small Gym - EPA TO-10A PCB
	41373-2055	Puf	—	Blank
	41373-2056	Puf	—	Blank

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY.*

CHAIN OF CUSTODY

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
	9/1/16 1430		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY		DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER:
COOLER TEMP: °C	pH ADJUSTMENTS:	CUSTODY SEALS: NONE COOLER PACKAGE SAMPLES
COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK		EQUIP. RETURNED:

LABORATORY DATA SHEET

PBS
2517 Eastlake Ave. E.,
#100, Seattle, WA 98102
206/233-9639
FAX 206-762-4780

Project Name: Sky Valley Ed Ctr	IH: Cel Alvarez	WEATHER: Overcast	Conditions:
PBS Project No.: 41373.000	SAMPLE MEDIA/ANALYTICAL METHOD: EPA TO-10A PCB	TEMP: 64°F	
Location: Monroe, WA		R.H. 60%	
		FIELD COUNT 100	

RELINQUISHED BY (SIGN.):	DATE/TIME: 9/1/16 1430	ANALYZED BY:	DATE/TIME:	REMARKS:
RECEIVED BY (SIGN.):	DATE/TIME:	ANALYZED BY:	DATE/TIME:	TWA:

CODES: P PERSONAL; C CLEARANCE; PRE PRE-ABATEMENT; GBA GLOVE BAG AREA
IWA INSIDE WORK AREA; A AMBIENT AIR; EX EXCURSION; H HEPA
OWA OUTSIDE WORK AREA; B BLANK; TEM CLEARANCE SAMPLE

DATE	SAMPLE NUMBER	CODE	PUMP	LOCATION ACTIVITY / PERSON	BLANK AVG	TIME ON	TIME OFF	TOTAL TIME	FLOW PRE	FLOW POST	FLOW AVG	TOTAL VOL	FIBERS/ FIELD	FIBERS/ CC
9/1/16	-2054	C		SmallGym		6:41	1331	410	5	5	5	2050		
9/1/16	-2055	B		Blank										
9/1/16	-2056	B		Blank										
Recount Sample #			Recount											
Recount Sample #			Recount											
Reference Slide #			Count											

ED_004522_00089866-00114

ALS Environmental

29-Aug-2016

Gregg Middaugh
PBS
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Tel: (206) 255-4659
Fax:

Re: SVEC; 41373.000 Work Order: **1608812**

Dear Gregg,

ALS Environmental received 14 samples on 23-Aug-2016 09:44 AM for the analyses presented in the following report.

This is a REVISED REPORT. The Case Narrative provides information discussing the reason for issuing a revised report. The total number of pages in this revision is 20.

If you have any questions regarding these test results, please feel free to contact me.

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

ALS Environmental

Date: 29-Aug-16

Client: PBS
Project: SVEC; 41373.000
Work Order: **1608812**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1608812-01	41373-2001	Air		8/22/2016	8/23/2016 09:44	☐
1608812-02	41373-2002	Air		8/22/2016	8/23/2016 09:44	☐
1608812-03	41373-2003	Air		8/22/2016	8/23/2016 09:44	☐
1608812-04	41373-2004	Air		8/22/2016	8/23/2016 09:44	☐
1608812-05	41373-2005	Air		8/22/2016	8/23/2016 09:44	☐
1608812-06	41373-2006	Air		8/22/2016	8/23/2016 09:44	☐
1608812-07	41373-2007	Air		8/22/2016	8/23/2016 09:44	☐
1608812-08	41373-2008	Air		8/22/2016	8/23/2016 09:44	☐
1608812-09	41373-2009	Air		8/22/2016	8/23/2016 09:44	☐
1608812-10	41373-2010	Air		8/22/2016	8/23/2016 09:44	☐
1608812-11	41373-2011	Air		8/22/2016	8/23/2016 09:44	☐
1608812-12	41373-2012	Air		8/22/2016	8/23/2016 09:44	☐
1608812-13	41373-2013	Air		8/22/2016	8/23/2016 09:44	☐
1608812-14	41373-2014	Air		8/22/2016	8/23/2016 09:44	☐

ED_004522_00089866-00116

ALS Environmental *Date: 29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Work Order: 1608812

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

Revision 1: Sample results were re-calculated.

ED_004522_00089866-00117

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2001
Collection Date: 8/22/2016

Work Order: 1608812
Lab ID: 1608812-01
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2095**	Analyst: **JEA**
Date Analyzed: 8/25/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2002
Collection Date: 8/22/2016

Work Order: 1608812
Lab ID: 1608812-02
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2095**	Analyst: **JEA**
Date Analyzed: 8/25/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2003
Collection Date: 8/22/2016

Work Order: 1608812
Lab ID: 1608812-03
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2095**	Analyst: **JEA**
Date Analyzed: 8/25/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2004
Collection Date: 8/22/2016

Work Order: 1608812
Lab ID: 1608812-04
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2095**	Analyst: **JEA**
Date Analyzed: 8/25/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2005
Collection Date: 8/22/2016

Work Order: 1608812
Lab ID: 1608812-05
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2085**	Analyst: **JEA**
Date Analyzed: 8/25/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2006
Collection Date: 8/22/2016

Work Order: 1608812
Lab ID: 1608812-06
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2090**	Analyst: **JEA**
Date Analyzed: 8/25/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2007
Collection Date: 8/22/2016

Work Order: 1608812
Lab ID: 1608812-07
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2080**	Analyst: **JEA**
Date Analyzed: 8/25/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2008
Collection Date: 8/22/2016

Work Order: 1608812
Lab ID: 1608812-08
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2080**	Analyst: **JEA**
Date Analyzed: 8/25/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2009
Collection Date: 8/22/2016

Work Order: 1608812
Lab ID: 1608812-09
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2080**	Analyst: **JEA**
Date Analyzed: 8/25/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2010
Collection Date: 8/22/2016

Work Order: 1608812
Lab ID: 1608812-10
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2080**	Analyst: **JEA**
Date Analyzed: 8/25/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2011
Collection Date: 8/22/2016

Work Order: 1608812
Lab ID: 1608812-11
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2075**	Analyst: **JEA**
Date Analyzed: 8/25/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2012
Collection Date: 8/22/2016

Work Order: 1608812
Lab ID: 1608812-12
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2075**	Analyst: **JEA**
Date Analyzed: 8/25/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2013
Collection Date: 8/22/2016

Work Order: 1608812
Lab ID: 1608812-13
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **0**	Analyst: **JEA**
Date Analyzed: 8/25/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	NA	
Aroclor 1221	ND	0.10	NA	
Aroclor 1232	ND	0.10	NA	
Aroclor 1242	ND	0.10	NA	
Aroclor 1248	ND	0.10	NA	
Aroclor 1254	ND	0.10	NA	
Aroclor 1260	ND	0.10	NA	
Aroclor 1262	ND	0.10	NA	
Aroclor 1268	ND	0.10	NA	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2014
Collection Date: 8/22/2016

Work Order: 1608812
Lab ID: 1608812-14
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **0**	Analyst: **JEA**
Date Analyzed: 8/25/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	NA	
Aroclor 1221	ND	0.10	NA	
Aroclor 1232	ND	0.10	NA	
Aroclor 1242	ND	0.10	NA	
Aroclor 1248	ND	0.10	NA	
Aroclor 1254	ND	0.10	NA	
Aroclor 1260	ND	0.10	NA	
Aroclor 1262	ND	0.10	NA	
Aroclor 1268	ND	0.10	NA	

Note:

ALS Environmental

Date: 29-Aug-16

Client: PBS

Work Order: 1608812

Project: SVEC; 41373.000

QC BATCH REPORT

Batch ID: **37903** Instrument ID: **GC3** Method: **ETO10A**

MBLK Sample ID: **MBLK-37903-37903** Units: **µg/sample** Analysis Date: **8/25/2016**

Client ID: Run ID: **GC3_160825A** SeqNo: **1343420** Prep Date: **8/23/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.10								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Aroclor 1262	ND	0.10								
Aroclor 1268	ND	0.10								
Surr: Decachlorobiphenyl	*0.0224*	0	*0.05*	0	*44.8*	*41.6-116*		0		
Surr: Tetrachloro-m-xylene	*0.0271*	0	*0.05*	0	*54.2*	*45.7-110*		0		

The following samples were analyzed in this batch:

1608812-01A	1608812-02A	1608812-03A
1608812-04A	1608812-05A	1608812-06A
1608812-07A	1608812-08A	1608812-09A
1608812-10A	1608812-11A	1608812-12A
1608812-13A	1608812-14A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: PBS
Project: SVEC; 41373.000
WorkOrder: **1608812**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ED_004522_00089866-00133

ALS Environmental

Sample Receipt Checklist

Client Name: **PBS-SEATTLE** Date/Time Received: **23-Aug-16 09:44**

Work Order: **1608812** Received by: **CEG**

Checklist completed by: StephanieHarrington 23-Aug-16 Reviewed by: ShawnSmyth 23-Aug-16
eSignature Date eSignature Date

Matrices:
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Environmental

29-Aug-2016

Gregg Middaugh
PBS
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Tel: (206) 255-4659
Fax:

Re: SVEC; 41373.000 Work Order: **1608893**

Dear Gregg,

ALS Environmental received 11 samples on 25-Aug-2016 09:58 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 17.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

ALS Environmental

Date: 29-Aug-16

Client: PBS
Project: SVEC; 41373.000
Work Order: **1608893**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1608893-01	41373-2015	Air		8/24/2016 14:00	8/25/2016	☐
1608893-02	41373-2016	Air		8/24/2016 14:00	8/25/2016	☐
1608893-03	41373-2017	Air		8/24/2016 14:00	8/25/2016	☐
1608893-04	41373-2018	Air		8/24/2016 14:00	8/25/2016	☐
1608893-05	41373-2019	Air		8/24/2016 14:00	8/25/2016	☐
1608893-06	41373-2020	Air		8/24/2016 14:00	8/25/2016	☐
1608893-07	41373-2021	Air		8/24/2016 14:00	8/25/2016	☐
1608893-08	41373-2022	Air		8/24/2016 14:00	8/25/2016	☐
1608893-09	41373-2023	Air		8/24/2016 14:00	8/25/2016	☐
1608893-10	41373-2024	Air		8/24/2016 14:00	8/25/2016	☐
1608893-11	41373-2025	Air		8/24/2016 14:00	8/25/2016	☐

ED_004522_00089866-00136

ALS Environmental *Date: 29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Work Order: 1608893

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ED_004522_00089866-00137

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2015
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608893
Lab ID: 1608893-01
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2105**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ED_004522_00089866-00138

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2016
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608893
Lab ID: 1608893-02
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2100**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2017
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608893
Lab ID: 1608893-03
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2090**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2018
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608893
Lab ID: 1608893-04
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2095**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2019
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608893
Lab ID: 1608893-05
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2090**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2020
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608893
Lab ID: 1608893-06
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2085**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2021
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608893
Lab ID: 1608893-07
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2100**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2022
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608893
Lab ID: 1608893-08
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2095**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2023
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608893
Lab ID: 1608893-09
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2100**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<48	
Aroclor 1221	ND	0.10	<48	
Aroclor 1232	ND	0.10	<48	
Aroclor 1242	ND	0.10	<48	
Aroclor 1248	ND	0.10	<48	
Aroclor 1254	ND	0.10	<48	
Aroclor 1260	ND	0.10	<48	
Aroclor 1262	ND	0.10	<48	
Aroclor 1268	ND	0.10	<48	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2024
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608893
Lab ID: 1608893-10
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **0**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	NA	
Aroclor 1221	ND	0.10	NA	
Aroclor 1232	ND	0.10	NA	
Aroclor 1242	ND	0.10	NA	
Aroclor 1248	ND	0.10	NA	
Aroclor 1254	ND	0.10	NA	
Aroclor 1260	ND	0.10	NA	
Aroclor 1262	ND	0.10	NA	
Aroclor 1268	ND	0.10	NA	

Note:

ALS Environmental

Date: *29-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2025
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608893
Lab ID: 1608893-11
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **0**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	NA	
Aroclor 1221	ND	0.10	NA	
Aroclor 1232	ND	0.10	NA	
Aroclor 1242	ND	0.10	NA	
Aroclor 1248	ND	0.10	NA	
Aroclor 1254	ND	0.10	NA	
Aroclor 1260	ND	0.10	NA	
Aroclor 1262	ND	0.10	NA	
Aroclor 1268	ND	0.10	NA	

Note:

ED_004522_00089866-00148

ALS Environmental

Date: 29-Aug-16

Client: PBS

Work Order: 1608893

Project: SVEC; 41373.000

QC BATCH REPORT

Batch ID: **37948** Instrument ID: **GC3** Method: **ETO10A**

MBLK Sample ID: **MBLK-37948-37948** Units: **µg/sample** Analysis Date: **8/26/2016**

Client ID: Run ID: **GC3_160826B** SeqNo: **1344286** Prep Date: **8/25/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.10								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Aroclor 1262	ND	0.10								
Aroclor 1268	ND	0.10								
Surr: Decachlorobiphenyl	*0.0222*	0	*0.05*	0	*44.4*	*41.6-116*	0			
Surr: Tetrachloro-m-xylene	*0.0258*	0	*0.05*	0	*51.6*	*45.7-110*	0			

LCS Sample ID: **LCS-37948-37948** Units: **µg/sample** Analysis Date: **8/26/2016**

Client ID: Run ID: **GC3_160826B** SeqNo: **1344287** Prep Date: **8/25/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	0.5253	0.10	1	0	52.5		0			
Surr: Decachlorobiphenyl	*0.0257*	0	*0.05*	0	*51.4*	*35.7-104*	0			
Surr: Tetrachloro-m-xylene	*0.0315*	0	*0.05*	0	*63*	*45.7-110*	0			

The following samples were analyzed in this batch:

1608893-01A	1608893-02A	1608893-03A
1608893-04A	1608893-05A	1608893-06A
1608893-07A	1608893-08A	1608893-09A
1608893-10A	1608893-11A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: PBS
Project: SVEC; 41373.000
WorkOrder: **1608893**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ALS Environmental

Sample Receipt Checklist

Client Name: **PBS-SEATTLE** Date/Time Received: **25-Aug-16 09:58**

Work Order: **1608893** Received by: **SNH**

Checklist completed by: Jan Wilcox 25-Aug-16 Reviewed by: Shawn Smyth 25-Aug-16

eSignature | Date | eSignature | Date

Matrices:

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Environmental

12-Sep-2016

Gregg Middaugh
PBS
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Tel: (206) 255-4659
Fax:

Re: SVEC; 41373.000 Work Order: **16081051**

Dear Gregg,

ALS Environmental received 20 samples on 30-Aug-2016 10:13 AM for the analyses presented in the following report.

This is a REVISED REPORT. The Case Narrative provides information discussing the reason for issuing a revised report. The total number of pages in this revision is 16.

If you have any questions regarding these test results, please feel free to contact me.

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

ALS Environmental

Date: 12-Sep-16

Client: PBS
Project: SVEC; 41373.000
Work Order: **16081051**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
16081051-01	41373-2026	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-02	41373-2027	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-03	41373-2028	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-04	41373-2029	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-05	41373-2030	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-06	41373-2031	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-07	41373-2032	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-08	41373-2033	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-09	41373-2034	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-10	41373-2035	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-11	41373-2036	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-12	41373-2037	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-13	41373-2038	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-14	41373-2039	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-15	41373-2040	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-16	41373-2041	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-17	41373-2042	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-18	41373-2043	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-19	41373-2044	Air		8/29/2016 14:00	8/30/2016 10:13	☐
16081051-20	41373-2045	Air		8/29/2016 14:00	8/30/2016 10:13	☐

ED_004522_00089866-00153

ALS Environmental *Date: 12-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Work Order: 16081051

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

Revision 1: Sample results were changed from mg/m3 to ng/m3.

ED_004522_00089866-00154

ALS Environmental

Date: *12-Sep-16*

Client: PBS
Project: SVEC; 41373.000

Work Order: 16081051

Analytical Results

Lab ID: 16081051-01A
Client Sample ID: 41373-2026

Collection Date: 8/29/2016 2:00:00 PM
Matrix: AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2015**	Analyst: **JEA**
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<50	
Aroclor 1221	ND	0.10	<50	
Aroclor 1232	ND	0.10	<50	
Aroclor 1242	ND	0.10	<50	
Aroclor 1248	ND	0.10	<50	
Aroclor 1254	ND	0.10	<50	
Aroclor 1260	ND	0.10	<50	
Aroclor 1262	ND	0.10	<50	
Aroclor 1268	ND	0.10	<50	

Lab ID: 16081051-02A
Client Sample ID: 41373-2027

Collection Date: 8/29/2016 2:00:00 PM
Matrix: AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2010**	Analyst: **JEA**
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<50	
Aroclor 1221	ND	0.10	<50	
Aroclor 1232	ND	0.10	<50	
Aroclor 1242	ND	0.10	<50	
Aroclor 1248	ND	0.10	<50	
Aroclor 1254	ND	0.10	<50	
Aroclor 1260	ND	0.10	<50	
Aroclor 1262	ND	0.10	<50	
Aroclor 1268	ND	0.10	<50	

Note:

Analytical Results

Lab ID: 16081051-03A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2028 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10	Method: ETO10A	Air Volume (L): 2010	Analyst: JEA
Date Analyzed: 8/31/2016		Reporting Limit	
	µg/sample	µg/sample	ng/m3
Aroclor 1016	ND	0.10	<50
Aroclor 1221	ND	0.10	<50
Aroclor 1232	ND	0.10	<50
Aroclor 1242	ND	0.10	<50
Aroclor 1248	ND	0.10	<50
Aroclor 1254	ND	0.10	<50
Aroclor 1260	ND	0.10	<50
Aroclor 1262	ND	0.10	<50
Aroclor 1268	ND	0.10	<50

Lab ID: 16081051-04A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2029 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10	Method: ETO10A	Air Volume (L): 2005	Analyst: JEA
Date Analyzed: 8/31/2016		Reporting Limit	
	µg/sample	µg/sample	ng/m3
Aroclor 1016	ND	0.10	<50
Aroclor 1221	ND	0.10	<50
Aroclor 1232	ND	0.10	<50
Aroclor 1242	ND	0.10	<50
Aroclor 1248	ND	0.10	<50
Aroclor 1254	ND	0.10	<50
Aroclor 1260	ND	0.10	<50
Aroclor 1262	ND	0.10	<50
Aroclor 1268	ND	0.10	<50

Note:

ED_004522_00089866-00156

Analytical Results

Lab ID: 16081051-05A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2030 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10	Method: ETO10A	Air Volume (L): 2010	Analyst: JEA
Date Analyzed: 8/31/2016		Reporting Limit	
	µg/sample	µg/sample	ng/m3
Aroclor 1016	ND	0.10	<50
Aroclor 1221	ND	0.10	<50
Aroclor 1232	ND	0.10	<50
Aroclor 1242	ND	0.10	<50
Aroclor 1248	ND	0.10	<50
Aroclor 1254	ND	0.10	<50
Aroclor 1260	ND	0.10	<50
Aroclor 1262	ND	0.10	<50
Aroclor 1268	ND	0.10	<50

Lab ID: 16081051-06A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2031 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10	Method: ETO10A	Air Volume (L): 2015	Analyst: JEA
Date Analyzed: 8/31/2016		Reporting Limit	
	µg/sample	µg/sample	ng/m3
Aroclor 1016	ND	0.10	<50
Aroclor 1221	ND	0.10	<50
Aroclor 1232	ND	0.10	<50
Aroclor 1242	ND	0.10	<50
Aroclor 1248	ND	0.10	<50
Aroclor 1254	ND	0.10	<50
Aroclor 1260	ND	0.10	<50
Aroclor 1262	ND	0.10	<50
Aroclor 1268	ND	0.10	<50

Note:

ED_004522_00089866-00157

Analytical Results

Lab ID: 16081051-07A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2032 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2000**	Analyst: **JEA**
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<50	
Aroclor 1221	ND	0.10	<50	
Aroclor 1232	ND	0.10	<50	
Aroclor 1242	ND	0.10	<50	
Aroclor 1248	ND	0.10	<50	
Aroclor 1254	ND	0.10	<50	
Aroclor 1260	ND	0.10	<50	
Aroclor 1262	ND	0.10	<50	
Aroclor 1268	ND	0.10	<50	

Lab ID: 16081051-08A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2033 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2005**	Analyst: **JEA**
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<50	
Aroclor 1221	ND	0.10	<50	
Aroclor 1232	ND	0.10	<50	
Aroclor 1242	ND	0.10	<50	
Aroclor 1248	ND	0.10	<50	
Aroclor 1254	ND	0.10	<50	
Aroclor 1260	ND	0.10	<50	
Aroclor 1262	ND	0.10	<50	
Aroclor 1268	ND	0.10	<50	

Note:

ED_004522_00089866-00158

Analytical Results

Lab ID: 16081051-09A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2034 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2010**	Analyst: **JEA**
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<50	
Aroclor 1221	ND	0.10	<50	
Aroclor 1232	ND	0.10	<50	
Aroclor 1242	ND	0.10	<50	
Aroclor 1248	ND	0.10	<50	
Aroclor 1254	ND	0.10	<50	
Aroclor 1260	ND	0.10	<50	
Aroclor 1262	ND	0.10	<50	
Aroclor 1268	ND	0.10	<50	

Lab ID: 16081051-10A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2035 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2010**	Analyst: **JEA**
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<50	
Aroclor 1221	ND	0.10	<50	
Aroclor 1232	ND	0.10	<50	
Aroclor 1242	ND	0.10	<50	
Aroclor 1248	ND	0.10	<50	
Aroclor 1254	ND	0.10	<50	
Aroclor 1260	ND	0.10	<50	
Aroclor 1262	ND	0.10	<50	
Aroclor 1268	ND	0.10	<50	

Note:

ED_004522_00089866-00159

Analytical Results

Lab ID: 16081051-11A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2036 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2010**	Analyst: **JEA**
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<50	
Aroclor 1221	ND	0.10	<50	
Aroclor 1232	ND	0.10	<50	
Aroclor 1242	ND	0.10	<50	
Aroclor 1248	ND	0.10	<50	
Aroclor 1254	ND	0.10	<50	
Aroclor 1260	ND	0.10	<50	
Aroclor 1262	ND	0.10	<50	
Aroclor 1268	ND	0.10	<50	

Lab ID: 16081051-12A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2037 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2015**	Analyst: **JEA**
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<50	
Aroclor 1221	ND	0.10	<50	
Aroclor 1232	ND	0.10	<50	
Aroclor 1242	ND	0.10	<50	
Aroclor 1248	ND	0.10	<50	
Aroclor 1254	ND	0.10	<50	
Aroclor 1260	ND	0.10	<50	
Aroclor 1262	ND	0.10	<50	
Aroclor 1268	ND	0.10	<50	

Note:

ED_004522_00089866-00160

Analytical Results

Lab ID: 16081051-13A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2038 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2015**	Analyst: **JEA**
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<50	
Aroclor 1221	ND	0.10	<50	
Aroclor 1232	ND	0.10	<50	
Aroclor 1242	ND	0.10	<50	
Aroclor 1248	ND	0.10	<50	
Aroclor 1254	ND	0.10	<50	
Aroclor 1260	ND	0.10	<50	
Aroclor 1262	ND	0.10	<50	
Aroclor 1268	ND	0.10	<50	

Lab ID: 16081051-14A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2039 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2060**	Analyst: **JEA**
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<49	
Aroclor 1221	ND	0.10	<49	
Aroclor 1232	ND	0.10	<49	
Aroclor 1242	ND	0.10	<49	
Aroclor 1248	ND	0.10	<49	
Aroclor 1254	ND	0.10	<49	
Aroclor 1260	ND	0.10	<49	
Aroclor 1262	ND	0.10	<49	
Aroclor 1268	ND	0.10	<49	

Note:

ED_004522_00089866-00161

Analytical Results

Lab ID: 16081051-15A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2040 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10	Method: ETO10A	Air Volume (L): 2055	Analyst: JEA
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3
Aroclor 1016	ND	0.10	<49
Aroclor 1221	ND	0.10	<49
Aroclor 1232	ND	0.10	<49
Aroclor 1242	ND	0.10	<49
Aroclor 1248	ND	0.10	<49
Aroclor 1254	ND	0.10	<49
Aroclor 1260	ND	0.10	<49
Aroclor 1262	ND	0.10	<49
Aroclor 1268	ND	0.10	<49

Lab ID: 16081051-16A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2041 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10	Method: ETO10A	Air Volume (L): 2050	Analyst: JEA
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3
Aroclor 1016	ND	0.10	<49
Aroclor 1221	ND	0.10	<49
Aroclor 1232	ND	0.10	<49
Aroclor 1242	ND	0.10	<49
Aroclor 1248	ND	0.10	<49
Aroclor 1254	ND	0.10	<49
Aroclor 1260	ND	0.10	<49
Aroclor 1262	ND	0.10	<49
Aroclor 1268	ND	0.10	<49

Note:

ED_004522_00089866-00162

Analytical Results

Lab ID: 16081051-17A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2042 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2045**	Analyst: **JEA**
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<49	
Aroclor 1221	ND	0.10	<49	
Aroclor 1232	ND	0.10	<49	
Aroclor 1242	ND	0.10	<49	
Aroclor 1248	ND	0.10	<49	
Aroclor 1254	ND	0.10	<49	
Aroclor 1260	ND	0.10	<49	
Aroclor 1262	ND	0.10	<49	
Aroclor 1268	ND	0.10	<49	

Lab ID: 16081051-18A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2043 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2040**	Analyst: **JEA**
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<49	
Aroclor 1221	ND	0.10	<49	
Aroclor 1232	ND	0.10	<49	
Aroclor 1242	ND	0.10	<49	
Aroclor 1248	ND	0.10	<49	
Aroclor 1254	ND	0.10	<49	
Aroclor 1260	ND	0.10	<49	
Aroclor 1262	ND	0.10	<49	
Aroclor 1268	ND	0.10	<49	

Note:

ED_004522_00089866-00163

Analytical Results

Lab ID: 16081051-19A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2044 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2040**	Analyst: **JEA**
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<49	
Aroclor 1221	ND	0.10	<49	
Aroclor 1232	ND	0.10	<49	
Aroclor 1242	ND	0.10	<49	
Aroclor 1248	ND	0.10	<49	
Aroclor 1254	ND	0.10	<49	
Aroclor 1260	ND	0.10	<49	
Aroclor 1262	ND	0.10	<49	
Aroclor 1268	ND	0.10	<49	

Lab ID: 16081051-20A **Collection Date:** 8/29/2016 2:00:00 PM
Client Sample ID: 41373-2045 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **0**	Analyst: **JEA**
Date Analyzed: 8/31/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	NA	
Aroclor 1221	ND	0.10	NA	
Aroclor 1232	ND	0.10	NA	
Aroclor 1242	ND	0.10	NA	
Aroclor 1248	ND	0.10	NA	
Aroclor 1254	ND	0.10	NA	
Aroclor 1260	ND	0.10	NA	
Aroclor 1262	ND	0.10	NA	
Aroclor 1268	ND	0.10	NA	

Note:

ED_004522_00089866-00164

ALS Environmental

Date: 12-Sep-16

Client: PBS

Work Order: 16081051

Project: SVEC; 41373.000

QC BATCH REPORT

Batch ID: **38048** Instrument ID: **GC3** Method: **ETO10A**

MBLK Sample ID: **MBLK-38048-38048** Units: **µg/sample** Analysis Date: **8/31/2016**

Client ID: Run ID: **GC3_160831B** SeqNo: **1347452** Prep Date: **8/30/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.10								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Aroclor 1262	ND	0.10								
Aroclor 1268	ND	0.10								
Surr: Decachlorobiphenyl	*0.0257*	0	*0.05*	0	*51.4*	*41.6-116*	0			
Surr: Tetrachloro-m-xylene	*0.0281*	0	*0.05*	0	*56.2*	*45.7-110*	0			

LCS Sample ID: **LCS-38048-38048** Units: **µg/sample** Analysis Date: **8/31/2016**

Client ID: Run ID: **GC3_160831B** SeqNo: **1347453** Prep Date: **8/30/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	0.5466	0.10	1	0	54.7		0			
Surr: Decachlorobiphenyl	*0.029*	0	*0.05*	0	*58*	*35.7-104*	0			
Surr: Tetrachloro-m-xylene	*0.0305*	0	*0.05*	0	*61*	*45.7-110*	0			

The following samples were analyzed in this batch:

16081051-01A	16081051-02A	16081051-03A
16081051-04A	16081051-05A	16081051-06A
16081051-07A	16081051-08A	16081051-09A
16081051-10A	16081051-11A	16081051-12A
16081051-13A	16081051-14A	16081051-15A
16081051-16A	16081051-17A	16081051-18A
16081051-19A	16081051-20A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: PBS
Project: SVEC; 41373.000
WorkOrder: **16081051**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ED_004522_00089866-00166

ALS Environmental

Sample Receipt Checklist

Client Name: **PBS-SEATTLE** Date/Time Received: **30-Aug-16 10:13**

Work Order: **16081051** Received by: **CEG**

Checklist completed by: R doN ieman 30-Aug-16 Reviewed by: S hawn S myth 31-Aug-16

eSignature Date eSignature Date

Matrices:

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	6.8		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☐
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Environmental

02-Sep-2016

Gregg Middaugh
PBS
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Tel: (206) 255-4659
Fax:

Re: SVEC; 41373.000 Work Order: **16081106**

Dear Gregg,

ALS Environmental received 8 samples on 31-Aug-2016 09:18 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 10.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

ALS Environmental

Date: 02-Sep-16

Client: PBS
Project: SVEC; 41373.000
Work Order: **16081106**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
16081106-01	41373-2046	Air		8/30/2016	8/31/2016	☐
16081106-02	41373-2047	Air		8/30/2016	8/31/2016	☐
16081106-03	41373-2048	Air		8/30/2016	8/31/2016	☐
16081106-04	41373-2049	Air		8/30/2016	8/31/2016	☐
16081106-05	41373-2050	Air		8/30/2016	8/31/2016	☐
16081106-06	41373-2051	Air		8/30/2016	8/31/2016	☐
16081106-07	41373-2052	Air		8/30/2016	8/31/2016	☐
16081106-08	41373-2053	Air		8/30/2016	8/31/2016	☐

ED_004522_00089866-00169

ALS Environmental *Date: 02-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Work Order: 16081106

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ED_004522_00089866-00170

ALS Environmental

Date: *02-Sep-16*

Client: PBS
Project: SVEC; 41373.000

Work Order: 16081106

Analytical Results

Lab ID: 16081106-01A
Client Sample ID: 41373-2046

Collection Date: 8/30/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10	Method: **ETO10A**	Air Volume (L): **2000**	Analyst: **JEA**
Date Analyzed: 9/1/2016		Reporting Limit	
	µg/sample	µg/sample	ng/m3
Aroclor 1016	ND	0.10	<50
Aroclor 1221	ND	0.10	<50
Aroclor 1232	ND	0.10	<50
Aroclor 1242	ND	0.10	<50
Aroclor 1248	ND	0.10	<50
Aroclor 1254	ND	0.10	<50
Aroclor 1260	ND	0.10	<50
Aroclor 1262	ND	0.10	<50
Aroclor 1268	ND	0.10	<50

Lab ID: 16081106-02A
Client Sample ID: 41373-2047

Collection Date: 8/30/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10	Method: **ETO10A**	Air Volume (L): **2000**	Analyst: **JEA**
Date Analyzed: 9/1/2016		Reporting Limit	
	µg/sample	µg/sample	ng/m3
Aroclor 1016	ND	0.10	<50
Aroclor 1221	ND	0.10	<50
Aroclor 1232	ND	0.10	<50
Aroclor 1242	ND	0.10	<50
Aroclor 1248	ND	0.10	<50
Aroclor 1254	ND	0.10	<50
Aroclor 1260	ND	0.10	<50
Aroclor 1262	ND	0.10	<50
Aroclor 1268	ND	0.10	<50

Note:

Analytical Results

Lab ID: 16081106-03A **Collection Date:** 8/30/2016
Client Sample ID: 41373-2048 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10	Method: ETO10A	Air Volume (L): 2005	Analyst: JEA
Date Analyzed: 9/1/2016		Reporting Limit	
	µg/sample	µg/sample	ng/m3
Aroclor 1016	ND	0.10	<50
Aroclor 1221	ND	0.10	<50
Aroclor 1232	ND	0.10	<50
Aroclor 1242	ND	0.10	<50
Aroclor 1248	ND	0.10	<50
Aroclor 1254	ND	0.10	<50
Aroclor 1260	ND	0.10	<50
Aroclor 1262	ND	0.10	<50
Aroclor 1268	ND	0.10	<50

Lab ID: 16081106-04A **Collection Date:** 8/30/2016
Client Sample ID: 41373-2049 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10	Method: ETO10A	Air Volume (L): 2010	Analyst: JEA
Date Analyzed: 9/1/2016		Reporting Limit	
	µg/sample	µg/sample	ng/m3
Aroclor 1016	ND	0.10	<50
Aroclor 1221	ND	0.10	<50
Aroclor 1232	ND	0.10	<50
Aroclor 1242	ND	0.10	<50
Aroclor 1248	ND	0.10	<50
Aroclor 1254	ND	0.10	<50
Aroclor 1260	ND	0.10	<50
Aroclor 1262	ND	0.10	<50
Aroclor 1268	ND	0.10	<50

Note:

ED_004522_00089866-00172

Analytical Results

Lab ID: 16081106-05A **Collection Date:** 8/30/2016
Client Sample ID: 41373-2050 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2015**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<50	
Aroclor 1221	ND	0.10	<50	
Aroclor 1232	ND	0.10	<50	
Aroclor 1242	ND	0.10	<50	
Aroclor 1248	ND	0.10	<50	
Aroclor 1254	ND	0.10	<50	
Aroclor 1260	ND	0.10	<50	
Aroclor 1262	ND	0.10	<50	
Aroclor 1268	ND	0.10	<50	

Lab ID: 16081106-06A **Collection Date:** 8/30/2016
Client Sample ID: 41373-2051 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2015**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<50	
Aroclor 1221	ND	0.10	<50	
Aroclor 1232	ND	0.10	<50	
Aroclor 1242	ND	0.10	<50	
Aroclor 1248	ND	0.10	<50	
Aroclor 1254	ND	0.10	<50	
Aroclor 1260	ND	0.10	<50	
Aroclor 1262	ND	0.10	<50	
Aroclor 1268	ND	0.10	<50	

Note:

Analytical Results

Lab ID: 16081106-07A **Collection Date:** 8/30/2016
Client Sample ID: 41373-2052 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10	Method: ETO10A	Air Volume (L): 2015	Analyst: JEA
Date Analyzed: 9/1/2016		Reporting Limit	
	µg/sample	µg/sample	ng/m3
Aroclor 1016	ND	0.10	<50
Aroclor 1221	ND	0.10	<50
Aroclor 1232	ND	0.10	<50
Aroclor 1242	ND	0.10	<50
Aroclor 1248	ND	0.10	<50
Aroclor 1254	ND	0.10	<50
Aroclor 1260	ND	0.10	<50
Aroclor 1262	ND	0.10	<50
Aroclor 1268	ND	0.10	<50

Lab ID: 16081106-08A **Collection Date:** 8/30/2016
Client Sample ID: 41373-2053 **Matrix:** AIR

Analyses

PCBS BY EPA TO-10	Method: ETO10A	Air Volume (L): 0	Analyst: JEA
Date Analyzed: 9/1/2016		Reporting Limit	
	µg/sample	µg/sample	ng/m3
Aroclor 1016	ND	0.10	NA
Aroclor 1221	ND	0.10	NA
Aroclor 1232	ND	0.10	NA
Aroclor 1242	ND	0.10	NA
Aroclor 1248	ND	0.10	NA
Aroclor 1254	ND	0.10	NA
Aroclor 1260	ND	0.10	NA
Aroclor 1262	ND	0.10	NA
Aroclor 1268	ND	0.10	NA

Note:

ALS Environmental

Date: 02-Sep-16

Client: PBS

Work Order: 16081106

Project: SVEC; 41373.000

QC BATCH REPORT

Batch ID: **38075** Instrument ID: **GC3** Method: **ETO10A**

MBLK Sample ID: **MBLK-38075-38075** Units: **µg/sample** Analysis Date: **9/1/2016**

Client ID: Run ID: **GC3_160901C** SeqNo: **1348324** Prep Date: **8/31/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.10								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Aroclor 1262	ND	0.10								
Aroclor 1268	ND	0.10								
Surr: Decachlorobiphenyl	*0.0342*	0	*0.05*	0	*68.4*	*41.6-116*	0			
Surr: Tetrachloro-m-xylene	*0.0365*	0	*0.05*	0	*73*	*45.7-110*	0			

LCS Sample ID: **LCS-38075-38075** Units: **µg/sample** Analysis Date: **9/1/2016**

Client ID: Run ID: **GC3_160901C** SeqNo: **1348325** Prep Date: **8/31/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	0.5408	0.10	10	0	5.41		0			
Surr: Decachlorobiphenyl	*0.0421*	0	*0.05*	0	*84.2*	*35.7-104*	0			
Surr: Tetrachloro-m-xylene	*0.0417*	0	*0.05*	0	*83.4*	*45.7-110*	0			

The following samples were analyzed in this batch:

16081106-01A	16081106-02A	16081106-03A
16081106-04A	16081106-05A	16081106-06A
16081106-07A	16081106-08A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: PBS
Project: SVEC; 41373.000
WorkOrder: **16081106**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ED_004522_00089866-00176

ALS Environmental

Sample Receipt Checklist

Client Name: **PBS-SEATTLE** Date/Time Received: **31-Aug-16 09:18**

Work Order: **16081106** Received by: **JNW**

Checklist completed by: StephanieHarrington 31-Aug-16 Reviewed by: ShawnSmyth 31-Aug-16

eSignature | Date | eSignature | Date

Matrices:

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Environmental

08-Sep-2016

Gregg Middaugh
PBS
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Tel: (206) 255-4659
Fax:

Re: SVEC; 41373.000 Work Order: **1609095**

Dear Gregg,

ALS Environmental received 3 samples on 06-Sep-2016 09:45 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 9.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

ALS Environmental

Date: 08-Sep-16

Client: PBS
Project: SVEC; 41373.000
Work Order: **1609095**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1609095-01	41373-2054	Air		9/1/2016	9/6/2016 09:45	☐
1609095-02	41373-2055	Air		9/1/2016	9/6/2016 09:45	☐
1609095-03	41373-2056	Air		9/1/2016	9/6/2016 09:45	☐

ED_004522_00089866-00179

ALS Environmental *Date: 08-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Work Order: 1609095

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ED_004522_00089866-00180

ALS Environmental

Date: *08-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2054
Collection Date: 9/1/2016

Work Order: 1609095
Lab ID: 1609095-01
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **2050**	Analyst: **JEA**
Date Analyzed: 9/7/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	<49	
Aroclor 1221	ND	0.10	<49	
Aroclor 1232	ND	0.10	<49	
Aroclor 1242	ND	0.10	<49	
Aroclor 1248	ND	0.10	<49	
Aroclor 1254	ND	0.10	<49	
Aroclor 1260	ND	0.10	<49	
Aroclor 1262	ND	0.10	<49	
Aroclor 1268	ND	0.10	<49	

Note:

ALS Environmental

Date: *08-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2055
Collection Date: 9/1/2016

Work Order: 1609095
Lab ID: 1609095-02
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **0**	Analyst: **JEA**
Date Analyzed: 9/7/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	NA	
Aroclor 1221	ND	0.10	NA	
Aroclor 1232	ND	0.10	NA	
Aroclor 1242	ND	0.10	NA	
Aroclor 1248	ND	0.10	NA	
Aroclor 1254	ND	0.10	NA	
Aroclor 1260	ND	0.10	NA	
Aroclor 1262	ND	0.10	NA	
Aroclor 1268	ND	0.10	NA	

Note:

ALS Environmental

Date: *08-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2056
Collection Date: 9/1/2016

Work Order: 1609095
Lab ID: 1609095-03
Matrix: AIR

Analytical Results

Analyses

PCBS BY EPA TO-10		Method: **ETO10A**	Air Volume (L): **0**	Analyst: **JEA**
Date Analyzed: 9/7/2016	µg/sample	Reporting Limit µg/sample	ng/m3	
Aroclor 1016	ND	0.10	NA	
Aroclor 1221	ND	0.10	NA	
Aroclor 1232	ND	0.10	NA	
Aroclor 1242	ND	0.10	NA	
Aroclor 1248	ND	0.10	NA	
Aroclor 1254	ND	0.10	NA	
Aroclor 1260	ND	0.10	NA	
Aroclor 1262	ND	0.10	NA	
Aroclor 1268	ND	0.10	NA	

Note:

ALS Environmental

Date: 08-Sep-16

Client: PBS

Work Order: 1609095

Project: SVEC; 41373.000

QC BATCH REPORT

Batch ID: **38153** Instrument ID: **GC3** Method: **ETO10A**

MBLK Sample ID: **MBLK-38153-38153** Units: **µg/sample** Analysis Date: **9/7/2016**

Client ID: Run ID: **GC3_160907B** SeqNo: **1350448** Prep Date: **9/6/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.10								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Aroclor 1262	ND	0.10								
Aroclor 1268	ND	0.10								
Surr: Decachlorobiphenyl	*0.021*	0	*0.05*	0	*42*	*41.6-116*	0			
Surr: Tetrachloro-m-xylene	*0.0243*	0	*0.05*	0	*48.6*	*45.7-110*	0			

LCS Sample ID: **LCS-38153-38153** Units: **µg/sample** Analysis Date: **9/7/2016**

Client ID: Run ID: **GC3_160907B** SeqNo: **1350449** Prep Date: **9/6/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	0.4836	0.10	1	0	48.4		0			
Surr: Decachlorobiphenyl	*0.024*	0	*0.05*	0	*48*	*35.7-104*	0			
Surr: Tetrachloro-m-xylene	*0.025*	0	*0.05*	0	*50*	*45.7-110*	0			

The following samples were analyzed in this batch: 1609095-01A 1609095-02A 1609095-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: PBS
Project: SVEC; 41373.000
WorkOrder: **1609095**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

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ALS Environmental

Sample Receipt Checklist

Client Name: **PBS-SEATTLE** Date/Time Received: **06-Sep-16 09:45**

Work Order: **1609095** Received by: **SNH**

Checklist completed by: StephanieHarrington 06-Sep-16 Reviewed by: ShawnSmyth 06-Sep-16
eSignature Date eSignature Date

Matrices:
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	26.1		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

TAB 5
PCB Wipe Sample Lab Reports
Sample Location Field Drawings

Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-001 PCB-W	Room 11 Top of wood shelf	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-002 PCB-W	Room 5 Top of light fixture	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-003 PCB-W	South Pod Top of file cabinet	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-004 PCB-W	Admin Top of wood shelf	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-005 PCB-W	Annex Mont. Sci. Prep Top of refrigerator	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**

Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-006 PCB-W	Music Table leg	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-007 PCB-W	Room 1 Top of wood cabinet	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-008 PCB-W	Room 2 Wall	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-009 PCB-W	Room 3 Window sill	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-010 PCB-W	Room 4 Top of light fixture	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**

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Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-011 PCB-W	Room 7 GWB wall	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-012 PCB-W	Room 6 Top of wood cabinet	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-013 PCB-W	Room 13 Concrete floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-014 PCB-W	Room 12 Top of light fixture	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-015 PCB-W	Room 10 Top of wood cabinet	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**

Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-016 PCB-W	Room 9 Top of light fixture	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-017 PCB-W	Room 8 GWB wall	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-018 PCB-W	East Pod Window sill	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-019 PCB-W	Art Wood shelf	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-020 PCB-W	Room 23 Brick wall	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**

Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-021 PCB-W	Woodshop Countertop	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-022 PCB-W	Art Room Kiln Vinyl floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-023 PCB-W	Room 22 Vinyl floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-024-PCB-W	Small Gym East Vinyl floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-025-PCB-W	Small Gym West Vinyl floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**

Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-026-PCB-W	Boy's Locker Wood bench	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-027-PCB-W	Girl's Locker Wood bench	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-028-PCB-W	Large Gym Top of wood bleacher	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND 3.40 ND **3.40**
-029-PCB-W	Weight Room Concrete wall	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-030-PCB-W	Gathering Place Vinyl floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**

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Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-031-PCB-W	CTE (Home EC) Top of counter	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-032-PCB-W	FACS/CTE East Office GWB Wall	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-033-PCB-W	Music Concrete wall	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-034-PCB-W	Music Office Vinyl floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-035-PCB-W	Music Practice GWB Wall	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**

Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-036-PCB-W	Music Practice GWB Wall	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-037-PCB-W	Music Spa Storage GWB Wall	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-038-PCB-W	Annex Room F Vinyl floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-039-PCB-W	Annex - 18-21 Transitions Vinyl floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-040-PCB-W	Annex - 18-21 Transitions East Top of desk	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**

Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-041-PCB-W	Room F Prep Chem counter	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-042-PCB-W	Annex Hall West GWB Wall	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-043-PCB-W	Annex Hall East Top of metal storage cabinet	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-044-PCB-W	Annex Room C Vinyl floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-045-PCB-W	Annex Room A Top of wood bookshelf	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**

Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-046-PCB-W	Annex Room B Top of metal storage cabinet	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-047-PCB-W	Annex Room D Vinyl floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-048-PCB-W	Annex Girl's Restroom Ceramic floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-049-PCB-W	Room 14 Top of wood cabinet	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-050-PCB-W	Room 15 Top of wood cabinet	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**

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Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-051-PCB-W	Room 20 Top of light fixture	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-052-PCB-W	Room 16A Counter	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-053-PCB-W	Room 17 Top of light	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-054-PCB-W	North Pod Girl's Restroom Concrete floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-055-PCB-W	North Pod GWB Wall	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**

Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-056-PCB-W	Room 19 Concrete floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-057-PCB-W	Room 18 Top of wood shelf	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-058-PCB-W	North Pod Boy's' Restroom Concrete wall	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-059-PCB-W	South Pod Restroom Hall Concrete floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-060-PCB-W	South Pod Girl's Restroom Concrete floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**

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Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-061-PCB-W	South Pod Boy's Restroom Concrete wall	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-062-PCB-W	Admin Supply Top of counter	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-063-PCB-W	Admin Gary's Office Top of book shelf	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-064-PCB-W	Admin Server Top of laminated counter	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-065-PCB-W	Admin Staff Vinyl floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**

Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-066-PCB-W	Karen's Office Window sill	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-067-PCB-W	CTE (Home EC) Restroom Vinyl floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-068-PCB-W	Music Storage Wood shelf	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-069-PCB-W	Gathering Place Office Vinyl floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-070-PCB-W	Café Concrete floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**

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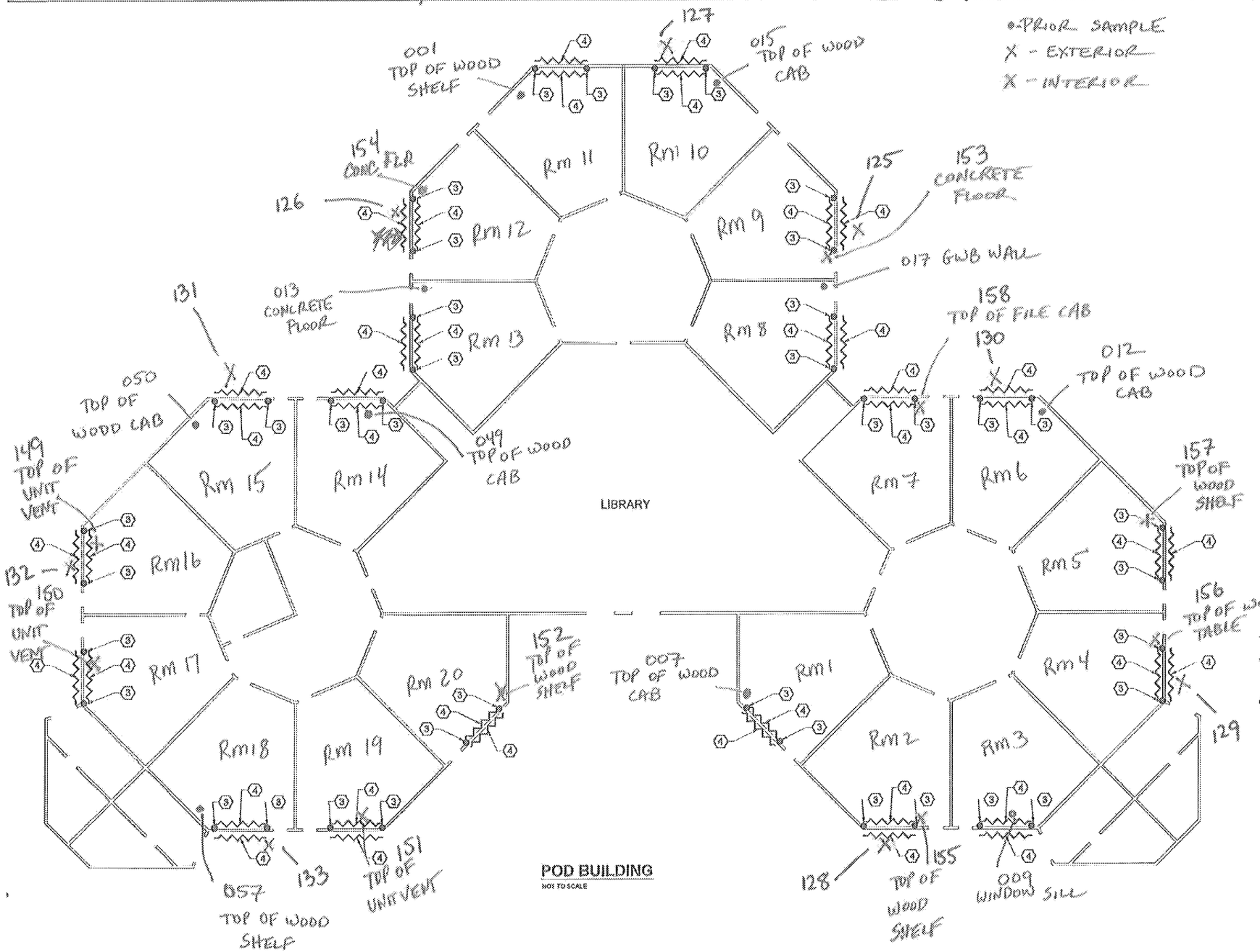
Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-071-PCB-W	Gathering Place East Vinyl floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-072-PCB-W	Tech Building Girl's Restroom Concrete floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-073-PCB-W	Tech Hallway Vinyl floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-074-PCB-W	Small Gym Storage Concrete wall	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**
-075-PCB-W	Tech Building Boy's Restroom Concrete floor	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND ND ND **ND**

Table 10 – Results for PCB Wipe Sampling

Sample ID	Location	Analyte	Result (ug/100 cm2)
-100-PCB-W	Room D Contaminated vinyl floor tile	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	516.00 ND ND ND ND ND ND **516.00**
-1001	Room 11 Leaking Motor Oil Unit Ventilator	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND 0.68 ND **0.68**
-1002	Room 11 Debris in Return Unit Ventilator	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND 1.74 ND **1.74**
-1003	Room 11 Dust from Left Control Panel Unit Ventilator	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 **Total PCB's**	ND ND ND ND ND 6.48 ND **6.48**

PCB WIPE SAMPLES 6/15/16 - PRE ABATEMENT



POD BUILDING
NOT TO SCALE

ALL SAMPLES - # - PCB-W

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
2. REMOVAL OF HAZARDOUS MATERIALS MAY COMPROMISE THE SECURITY OF THE SITE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINTAINING SITE SECURITY AND PUBLIC SAFETY THROUGHOUT THE PROJECT. SEE SPECIFICATIONS REGARDING SECURITY AND PUBLIC SAFETY.
3. ABATEMENT CONTRACTOR TO COORDINATE ALL ACTIVITIES WITH ALL OTHER ONSITE WORK INCLUDING, BUT NOT LIMITED TO: SCHEDULE, ACCESS, STAGING, ETC. ABATEMENT CONTRACTOR TO REPORT LOCATIONS AND QUANTITIES OF ALL HAZARDOUS MATERIALS TO BE REMOVED, TO THE OWNERS REPRESENTATIVE PRIOR TO ABATEMENT/DEMOLITION.

DRAWING NOTES

1. REMOVE APPROX. 500 LF OF PCB-CONTAINING SOFT GREY CAULKING LOCATED ON INTERIOR PERIMETER METAL WINDOW FRAME TO BRICK TRANSITION VERTICALS IN EACH OF CLASSROOMS 1-20 AS SHOWN. SEE FLOOR PLAN KEY NOTES FOR APPROXIMATE LOCATIONS.
2. REMOVE APPROX. 1,400 LF OF PCB-CONTAINING SOFT GREY CAULKING ON THE INTERIOR AND EXTERIOR SIDES OF THE CEMENT ASBESTOS BOARD (CAB) WINDOW INFILL PANELS. THE CAULKING FILLS THE GAP BETWEEN THE METAL WINDOW FRAME AND CAB TRANSITION IN EACH OF CLASSROOMS 1-20 AS SHOWN. SEE FLOOR PLAN KEY NOTES FOR APPROXIMATE LOCATIONS.

KEY NOTES

(3) REMOVE PCB-CONTAINING SOFT GREY CAULKING. SEE DRAWING NOTE 1

(4) REMOVE PCB-CONTAINING SOFT GREY CAULKING. SEE DRAWING NOTE 2.

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CAULKING ABATEMENT PLAN
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SKY VALLEY
EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

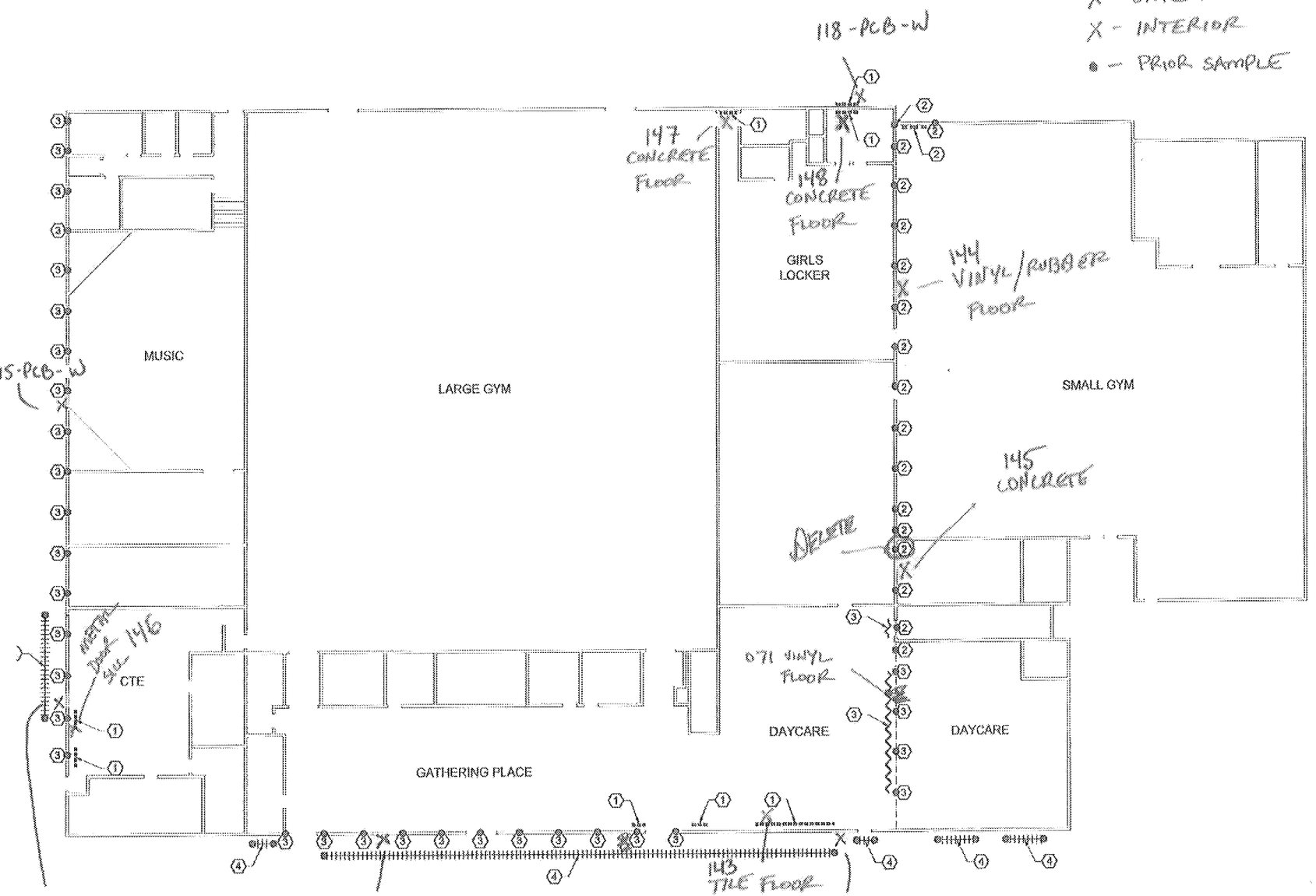
PROJECT:	41373.000
DRAWN	JHD
CHECKED:	GM
DATE:	JUNE 2016
DWG NO.	SHEET NO.

ED_004522_00089866-00204

PCB WIPE SAMPLES 6/15/16

PRE-ABATEMENT

X - EXTERIOR
X - INTERIOR
● - PRIOR SAMPLE



GYM BUILDING
NOT TO SCALE

ALL SAMPLES-# -PCB-W

KEY NOTES

① REMOVE PCB-CONTAINING SOFT LIGHT GREY CAULKING SEE DRAWING NOTE 1.

② REMOVE PCB-CONTAINING SOFT WHITE AND TAN LAYERED CAULKING. SEE DRAWING NOTE 2.

③ REMOVE PCB-CONTAINING SOFT TO HARD, LIGHT GREY CAULKING. SEE DRAWING NOTE 3.

④ REMOVE PCB-CONTAINING SOFT TO HARD GREY CAULKING. SEE DRAWING NOTE 4.

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
2. REMOVAL OF HAZARDOUS MATERIALS MAY COMPROMISE THE SECURITY OF THE SITE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINTAINING SITE SECURITY AND PUBLIC SAFETY THROUGHOUT THE PROJECT. SEE SPECIFICATIONS REGARDING SECURITY AND PUBLIC SAFETY.
3. ABATEMENT CONTRACTOR TO COORDINATE ALL ACTIVITIES WITH ALL OTHER ONSITE WORK INCLUDING, BUT NOT LIMITED TO: SCHEDULE, ACCESS, STAGING, ETC. ABATEMENT CONTRACTOR TO REPORT LOCATIONS AND QUANTITIES OF ALL HAZARDOUS MATERIALS TO BE REMOVED, TO THE OWNERS REPRESENTATIVE PRIOR TO ABATEMENT/DEMOLITION

DRAWING NOTES

REMOVE APPROX. 125 LF OF PCB-CONTAINING SOFT LIGHT GREY CAULKING LOCATED ON THE EXTERIOR AND INTERIOR METAL WINDOW FRAME TO BRICK TRANSITION ON THE GIRLS LOCKER ROOM NORTH PERIMETER WINDOW. THIS ALSO INCLUDES THE REMOVAL OF THE SOFT LIGHT GREY CAULK ON THE INTERIOR SIDE OF THE NORTH EXTERIOR GIRLS LOCKER ENTRY DOOR, ON THE INTERIOR SIDE OF THE TWO SOUTH DAYCARE WINDOWS, ON THE SMALL WINDOW IN THE SOUTHEAST CORNER OF THE GATHERING PLACE/CAFETERIA, A SMALL SECTION ON THE UPPER WINDOW IN THE SOUTHEAST CORNER OF THE GATHERING PLACE/CAFETERIA, ON THE NORTH EXTERIOR DOOR FRAME AND SOUTH WINDOW FRAME VERTICAL IN THE CTE ROOM AS SHOWN. SEE FLOOR PLAN KEY NOTES FOR APPROXIMATE LOCATIONS.

1. REMOVE APPROX. 475 LF OF PCB-CONTAINING SOFT WHITE AND TAN LAYERED CAULKING LOCATED ON ALL VERTICAL STRUCTURAL METAL BEAM TRANSITIONS LOCATED THROUGHOUT THE EAST (FORMER GYM EXTERIOR) ELEVATION OF LARGE GYM, WHICH IS NOW THE WEST INTERIOR WALL OF THE SMALL GYM. THIS INCLUDES REMOVAL OF THE CAULKING THAT EXISTS ON THE INTERIOR SIDE OF THE NORTHWEST PERIMETER ENTRY DOOR FRAME OF THE SMALL GYM AS SHOWN. THE SOFT WHITE AND TAN CAULKING IS BEEN HEAVILY PAINTED THROUGHOUT THE WORK SCOPE AREA. SEE FLOOR PLAN KEY NOTES FOR APPROXIMATE LOCATIONS.
2. REMOVE APPROX. 825 LF OF PCB-CONTAINING SOFT TO HARD, LIGHT GREY CAULKING LOCATED ON ALL EXTERIOR VERTICAL STRUCTURAL METAL BEAM TO BRICK TRANSITIONS THROUGHOUT THE LOWER WEST AND SOUTH ELEVATIONS OF THE LARGE GYM BUILDING. THIS ALSO INCLUDES THE REMOVAL OF ALL GREY CAULKING ON THE INTERIOR DEMISING WALL METAL BEAMS (VERTICAL AND HORIZONTAL) BETWEEN THE DAYCARE AND THE GATHERING PLACE/CAFETERIA AS SHOWN. SEE FLOOR PLAN KEY NOTES FOR APPROXIMATE LOCATIONS.
3. REMOVE APPROX. 300 LF OF PCB-CONTAINING SOFT TO HARD GREY CAULKING ON THE EXTERIOR METAL WINDOW FRAME TO BRICK TRANSITIONS ON ALL WINDOWS AT THE SOUTH AND WEST ELEVATIONS OF THE LARGE GYM BUILDING. THIS ALSO INCLUDES CAULKING THAT EXISTS AROUND EACH CEMENT ASBESTOS BOARD WINDOW INFILL PANEL TO METAL FRAME TRANSITION ON THE WEST ELEVATION. SEE FLOOR PLAN KEY NOTES FOR APPROXIMATE LOCATIONS.

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MONROE SCHOOL DISTRICT

GYM BUILDING
CAULKING ABATEMENT PLAN

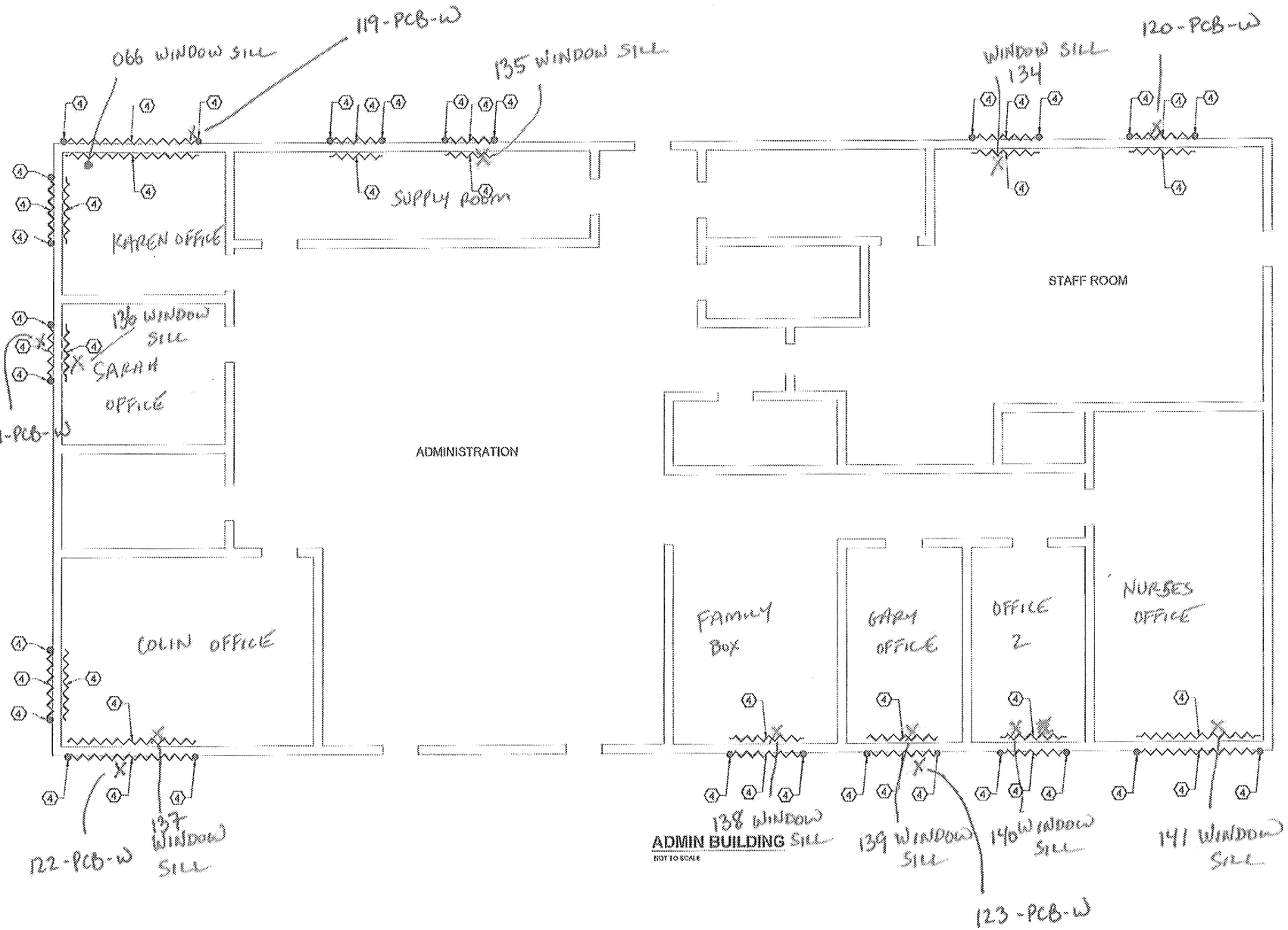
SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	BM
DATE:	JUNE 2016
DWG NO.	SHEET NO.

ED_004522_00089866-00205

WIPE
PCB SAMPLING 6/15/16 PRE-ABATEMENT



ADMIN BUILDING
NOT TO SCALE

ALL SAMPLES-#-PCB-W

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
2. REMOVAL OF HAZARDOUS MATERIALS MAY COMPROMISE THE SECURITY OF THE SITE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINTAINING SITE SECURITY AND PUBLIC SAFETY THROUGHOUT THE PROJECT. SEE SPECIFICATIONS REGARDING SECURITY AND PUBLIC SAFETY.
3. ABATEMENT CONTRACTOR TO COORDINATE ALL ACTIVITIES WITH ALL OTHER ONSITE WORK INCLUDING, BUT NOT LIMITED TO: SCHEDULE, ACCESS, STAGING, ETC. ABATEMENT CONTRACTOR TO REPORT LOCATIONS AND QUANTITIES OF ALL HAZARDOUS MATERIALS TO BE REMOVED, TO THE OWNERS REPRESENTATIVE PRIOR TO ABATEMENT/DEMOLITION.

DRAWING NOTES

1. REMOVE APPROX. 400 LF OF PCB-CONTAINING SOFT LIGHT GREY CAULKING LOCATED ON ALL INTERIOR METAL WINDOW FRAMES TO FORMICA SILL TRANSITIONS AND ALL EXTERIOR METAL WINDOW FRAME TO BRICK TRANSITIONS THROUGHOUT THE ADMINISTRATION BUILDING AS SHOWN. SEE FLOOR PLAN KEY NOTE FOR APPROXIMATE LOCATIONS.

KEY NOTES

④ REMOVE PCB-CONTAINING SOFT GREY CAULKING. SEE DRAWING NOTE 1.

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SKY VALLEY EDUCATIONAL CENTER

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EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2016
DWG NO.	SHEET NO

ED_004522_00089866-00206

PCB WIPE SAMPLES 6/15/16

PRE-ABATEMENT

TECHNOLOGY BUILDING
NOT TO SCALE

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
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DRAWING NOTES

1. REMOVE APPROX. 60 LF OF PCB-CONTAINING SOFT GREY CAULKING LOCATED ON EXTERIOR LOUVERS, VENTS AND DUCTING ON METAL TO BRICK TRANSITIONS ON THE WEST AND EAST EXTERIOR ELEVATIONS OF THE TECHNOLOGY BUILDING AS SHOWN. SEE FLOOR PLAN CROSS-SECTIONS FOR APPROXIMATE LOCATIONS.

KEY NOTES

(4) REMOVE PCB-CONTAINING SOFT GREY CAULKING. SEE DRAWING NOTE 1.

(*) NO INTERIOR PCB CONTAINING CAULK IDENTIFIED

124-PCB-W
ASPHALT

TECHNOLOGY BUILDING EAST
NOT TO SCALE

SOIL

TECHNOLOGY BUILDING WEST
NOT TO SCALE

ALL SAMPLES # -PCB-W

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MONROE SCHOOL DISTRICT

TECHNOLOGY BUILDING
CAULKING ABATEMENT PLAN
SKY VALLEY EDUCATIONAL CENTER

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351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

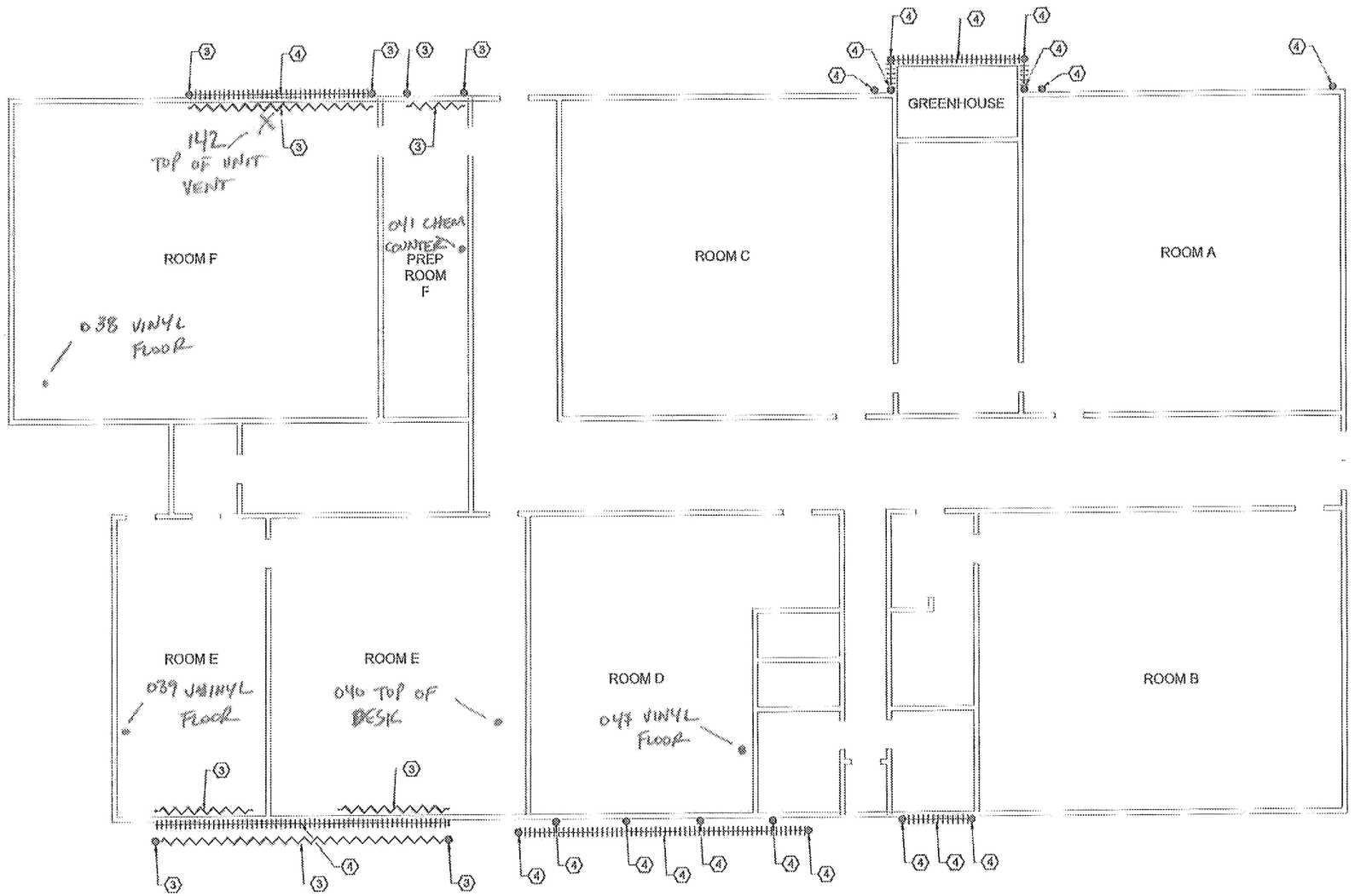
PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2016
DWG NO.	SHEET NO.

PCB WIPE SAMPLES 6/15/16

PRE-ABATEMENT

X - INTERIOR

• — PRIOR SAMPLE



ANNEX BUILDING

NOT TO SCALE

ALL SAMPLES #-PCB-W

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
2. REMOVAL OF HAZARDOUS MATERIALS MAY COMPROMISE THE SECURITY OF THE SITE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINTAINING SITE SECURITY AND PUBLIC SAFETY THROUGHOUT THE PROJECT. SEE SPECIFICATIONS REGARDING SECURITY AND PUBLIC SAFETY.
3. ABATEMENT CONTRACTOR TO COORDINATE ALL ACTIVITIES WITH ALL OTHER ONSITE WORK INCLUDING, BUT NOT LIMITED TO, SCHEDULE, ACCESS, STAGING, ETC. ABATEMENT CONTRACTOR TO REPORT LOCATIONS AND QUANTITIES OF ALL HAZARDOUS MATERIALS TO BE REMOVED, TO THE OWNERS REPRESENTATIVE PRIOR TO ABATEMENT/DEMOLITION.

DRAWING NOTES

1. REMOVE APPROX. 200 LF OF PCB-CONTAINING SOFT GREY CAULKING LOCATED ON INTERIOR PERIMETER METAL WINDOW FRAME TO BRICK TRANSITIONS AND WOOD CEILING BEAMS AT PERIMETER WALL/CEILING TRANSITIONS IN ROOMS E, F AND PREP ROOM F. THIS ALSO INCLUDES THE REMOVAL OF THE SOFT GREY CAULKING WHICH EXISTS ON EXTERIOR METAL WINDOW FRAME TO BRICK TRANSITIONS ON THE NORTH AND SOUTH BUILDING ELEVATION WINDOWS OF THE ANNEX BUILDING AS SHOWN. SEE FLOOR PLAN KEY NOTES FOR APPROXIMATE LOCATIONS.
2. REMOVE APPROX. 300 LF OF PCB AND ASBESTOS-CONTAINING TAN BRITTLE/FIRM CAULKING LOCATED ON VARIOUS VERTICAL AND HORIZONTAL METAL WINDOW FRAME TO BRICK TRANSITIONS ON THE NORTH AND SOUTH ELEVATIONS OF THE ANNEX BUILDING AS SHOWN. SEE FLOOR PLAN KEY NOTES FOR APPROXIMATE LOCATIONS.

KEY NOTES

③ REMOVE PCB-CONTAINING SOFT GREY CAULKING. SEE DRAWING NOTE 1

④ REMOVE PCB-CONTAINING TAN BRITTLE CAULKING. SEE DRAWING NOTE 2.

NO EXTERIOR CONCRETE AROUND ANNEX ABATEMENT LOCATIONS

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MONROE SCHOOL DISTRICT

ANNEX BUILDING
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MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2016
DWG NO	SHEET NO.

ED_004522_00089866-00208

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 30, 2016

Gregg Middaugh
PBS Engineering & Environmental
2517 Eastlake Avenue E., Suite 100
Seattle, WA 98102

Re: Analytical Data for Project 41373.000
Laboratory Reference No. 1606-219

Dear Gregg:

Enclosed are the analytical results and associated quality control data for samples submitted on June 22, 2016.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 30, 2016
Samples Submitted: June 22, 2016
Laboratory Reference: 1606-219
Project: 41373.000

Case Narrative

Samples were collected on June 15, 2016 and received by the laboratory on June 22, 2016. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 30, 2016
Samples Submitted: June 22, 2016
Laboratory Reference: 1606-219
Project: 41373.000

PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**114-PCB-W EXTERIOR**					
Laboratory ID:	06-219-01					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*106*	*64-130*				
Client ID:	**115-PCB-W EXTERIOR**					
Laboratory ID:	06-219-02					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*105*	*64-130*				
Client ID:	**116-PCB-W EXTERIOR**					
Laboratory ID:	06-219-03					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*95*	*64-130*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 30, 2016
Samples Submitted: June 22, 2016
Laboratory Reference: 1606-219
Project: 41373.000

PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**117-PCB-W EXTERIOR**					
Laboratory ID:	06-219-04					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*105*	*64-130*				
Client ID:	**118-PCB-W EXTERIOR**					
Laboratory ID:	06-219-05					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*95*	*64-130*				
Client ID:	**119-PCB-W EXTERIOR**					
Laboratory ID:	06-219-06					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*64-130*				

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Date of Report: June 30, 2016
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Project: 41373.000

PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**120-PCB-W EXTERIOR**					
Laboratory ID:	06-219-07					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*64-130*				
Client ID:	**121-PCB-W EXTERIOR**					
Laboratory ID:	06-219-08					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*97*	*64-130*				
Client ID:	**122-PCB-W EXTERIOR**					
Laboratory ID:	06-219-09					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*64-130*				

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Project: 41373.000

PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**123-PCB-W EXTERIOR**					
Laboratory ID:	06-219-10					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*64-130*				
Client ID:	**124-PCB-W EXTERIOR**					
Laboratory ID:	06-219-11					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*64-130*				
Client ID:	**125-PCB-W EXTERIOR**					
Laboratory ID:	06-219-12					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*95*	*64-130*				

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PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**126-PCB-W EXTERIOR**					
Laboratory ID:	06-219-13					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*101*	*64-130*				
Client ID:	**127-PCB-W EXTERIOR**					
Laboratory ID:	06-219-14					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*64-130*				
Client ID:	**128-PCB-W EXTERIOR**					
Laboratory ID:	06-219-15					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*100*	*64-130*				

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Project: 41373.000

PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**129-PCB-W EXTERIOR**					
Laboratory ID:	06-219-16					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*104*	*64-130*				
Client ID:	**130-PCB-W EXTERIOR**					
Laboratory ID:	06-219-17					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*95*	*64-130*				
Client ID:	**131-PCB-W EXTERIOR**					
Laboratory ID:	06-219-18					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*98*	*64-130*				

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PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**132-PCB-W EXTERIOR**					
Laboratory ID:	06-219-19					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*64-130*				
Client ID:	**133-PCB-W EXTERIOR**					
Laboratory ID:	06-219-20					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*64-130*				
Client ID:	**134-PCB-W INTERIOR**					
Laboratory ID:	06-219-21					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*101*	*64-130*				

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PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**135-PCB-W INTERIOR**					
Laboratory ID:	06-219-22					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*101*	*64-130*				
Client ID:	**136-PCB-W INTERIOR**					
Laboratory ID:	06-219-23					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*64-130*				
Client ID:	**137-PCB-W INTERIOR**					
Laboratory ID:	06-219-24					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*97*	*64-130*				

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PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**138-PCB-W INTERIOR**					
Laboratory ID:	06-219-25					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*98*	*64-130*				
Client ID:	**139-PCB-W INTERIOR**					
Laboratory ID:	06-219-26					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*102*	*64-130*				
Client ID:	**140-PCB-W INTERIOR**					
Laboratory ID:	06-219-27					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*115*	*64-130*				

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PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**141-PCB-W INTERIOR**					
Laboratory ID:	06-219-28					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*106*	*64-130*				
Client ID:	**142-PCB-W INTERIOR**					
Laboratory ID:	06-219-29					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*98*	*64-130*				
Client ID:	**143-PCB-W INTERIOR**					
Laboratory ID:	06-219-30					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*92*	*64-130*				

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Date of Report: June 30, 2016
Samples Submitted: June 22, 2016
Laboratory Reference: 1606-219
Project: 41373.000

PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**144-PCB-W INTERIOR**					
Laboratory ID:	06-219-31					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*92*	*64-130*				
Client ID:	**145-PCB-W INTERIOR**					
Laboratory ID:	06-219-32					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*85*	*64-130*				
Client ID:	**146-PCB-W INTERIOR**					
Laboratory ID:	06-219-33					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*94*	*64-130*				

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Date of Report: June 30, 2016
Samples Submitted: June 22, 2016
Laboratory Reference: 1606-219
Project: 41373.000

PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**147-PCB-W INTERIOR**					
Laboratory ID:	06-219-34					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*94*	*64-130*				
Client ID:	**148-PCB-W INTERIOR**					
Laboratory ID:	06-219-35					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**5.7**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*64-130*				
Client ID:	**149-PCB-W INTERIOR**					
Laboratory ID:	06-219-36					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*93*	*64-130*				

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Date of Report: June 30, 2016
Samples Submitted: June 22, 2016
Laboratory Reference: 1606-219
Project: 41373.000

PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**150-PCB-W INTERIOR**					
Laboratory ID:	06-219-37					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*101*	*64-130*				
Client ID:	**151-PCB-W INTERIOR**					
Laboratory ID:	06-219-38					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*64-130*				
Client ID:	**152-PCB-W INTERIOR**					
Laboratory ID:	06-219-39					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*101*	*64-130*				

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Date of Report: June 30, 2016
Samples Submitted: June 22, 2016
Laboratory Reference: 1606-219
Project: 41373.000

PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**153-PCB-W INTERIOR**					
Laboratory ID:	06-219-40					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**23**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**14**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*99*	*64-130*				
Client ID:	**154-PCB-W INTERIOR**					
Laboratory ID:	06-219-41					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*98*	*64-130*				
Client ID:	**155-PCB-W INTERIOR**					
Laboratory ID:	06-219-42					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*64-130*				

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Date of Report: June 30, 2016
Samples Submitted: June 22, 2016
Laboratory Reference: 1606-219
Project: 41373.000

PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**156-PCB-W INTERIOR**					
Laboratory ID:	06-219-43					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*98*	*64-130*				
Client ID:	**157-PCB-W INTERIOR**					
Laboratory ID:	06-219-44					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*92*	*64-130*				
Client ID:	**158-PCB-W INTERIOR**					
Laboratory ID:	06-219-45					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-30-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*95*	*64-130*				

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Date of Report: June 30, 2016
Samples Submitted: June 22, 2016
Laboratory Reference: 1606-219
Project: 41373.000

PCBs EPA 8082A
METHOD BLANK QUALITY CONTROL

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0628P1					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*114*	*64-130*				
Laboratory ID:	MB0628P2					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*112*	*64-130*				
Laboratory ID:	MB0628P3					
Aroclor 1016	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	6-28-16	6-29-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*107*	*64-130*				

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Date of Report: June 30, 2016
Samples Submitted: June 22, 2016
Laboratory Reference: 1606-219
Project: 41373.000

PCBs EPA 8082A
SB/SBD QUALITY CONTROL

Matrix: Wipe
Units: ug/100cm2

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0628P1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**21.8**	**23.0**	20.0	20.0	N/A	**109**	**115**	71-159	5	15	
Surrogate:											
DCB						*116*	*112*	*64-130*			
Laboratory ID:	SB0628P2										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**20.7**	**21.4**	20.0	20.0	N/A	**104**	**107**	71-159	3	15	
Surrogate:											
DCB						*102*	*108*	*64-130*			
Laboratory ID:	SB0628P3										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**21.8**	**22.2**	20.0	20.0	N/A	**109**	**111**	71-159	2	15	
Surrogate:											
DCB						*113*	*111*	*64-130*			

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 06-219

Company: PBS ENGINEERING
Project Number: 41373.000
Project Name: SKY VALLEY EC / MONROE SD
Project Manager: GREGG MIDDAUGH
Sampled by: KEVIN HOOD

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	114-PCB-W EXTERIOR	6/15/16		WIPE										X												
2	115-PCB-W																									
3	116-PCB-W																									
4	117-PCB-W																									
5	118-PCB-W																									
6	119-PCB-W																									
7	120-PCB-W																									
8	121-PCB-W																									
9	122-PCB-W																									
10	123-PCB-W																									

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		PBS	6/22/16	10:05 AM	
Received			6/22/16	1045	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Data		Reviewed/Date			Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

ED_004522_00089866-00229

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: PBS ENGINEERING
Project Number: 41373.000
Project Name: SKY VALLEY EC / MONROE SD
Project Manager: GREGG MIDDAUGH
Sampled by: KEVIN HOOD

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 16-219

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Dx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A						% Moisture
11	124-PCB-W EXTERIOR	6/15/16		WIPE										X													
12	125-PCB-W																										
13	126-PCB-W																										
14	127-PCB-W																										
15	128-PCB-W																										
16	129-PCB-W																										
17	130-PCB-W																										
18	131-PCB-W																										
19	132-PCB-W																										
20	133-PCB-W																										

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		PBS	6/22/16	10:05 AM	
Received		OnSite	6/22/16	1025	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐

ED_004522_00089866-00230

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 06-219

Company: PBS ENGINEERING
Project Number: 41373.000
Project Name: SKY VALLEY EC / MONROE SD
Project Manager: GREGG MIDDAUGH
Sampled by: KEVIN HOOD

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
21	134-PCB-W INTERIOR	6/15/16		WIPE										X								
22	135-PCB-W																					
23	136-PCB-W																					
24	137-PCB-W																					
25	138-PCB-W																					
26	139-PCB-W																					
27	140-PCB-W																					
28	141-PCB-W																					
29	142-PCB-W																					
30	143-PCB-W																					

	Signature	Company	Date	Time
Relinquished		PBS	6/23/16	10:05 AM
Received			6/22/16	1025
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐

ED_004522_00089866-00231

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 06-219

Company: PBS ENGINEERING
Project Number: 41373.000
Project Name: SKY VALLEY EC / MONROE SD
Project Manager: GREGG MIDDAUGH
Sampled by: KEVIN HOOD

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A						% Moisture
31	144-PCB-W INTERIOR	6/15/16		WIPE										X													
32	145-PCB-W																										
33	146-PCB-W																										
34	147-PCB-W																										
35	148-PCB-W																										
36	149-PCB-W																										
37	150-PCB-W																										
38	151-PCB-W																										
39	152-PCB-W																										
40	153-PCB-W																										

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		PBS	6/23/16	10:05 AM	
Received					
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐

ED_004522_00089866-00232

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 06-219

Company: PBS ENGINEERING
Project Number: 41373.000
Project Name: SKY VALLEY EC / MONROE SD
Project Manager: GREGG MIDDAUGH
Sampled by: KEVIN HOOD

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
H1	154-PCB-W INTERIOR	6/15/16		WIPE										X								
H2	155-PCB W																					
H3	156-PCB-W																					
H4	157-PCB-W																					
H5	158-PCB-W																					

	Signature	Company	Date	Time
Relinquished		PBS	6/22/16	10:05 AM
Received				
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

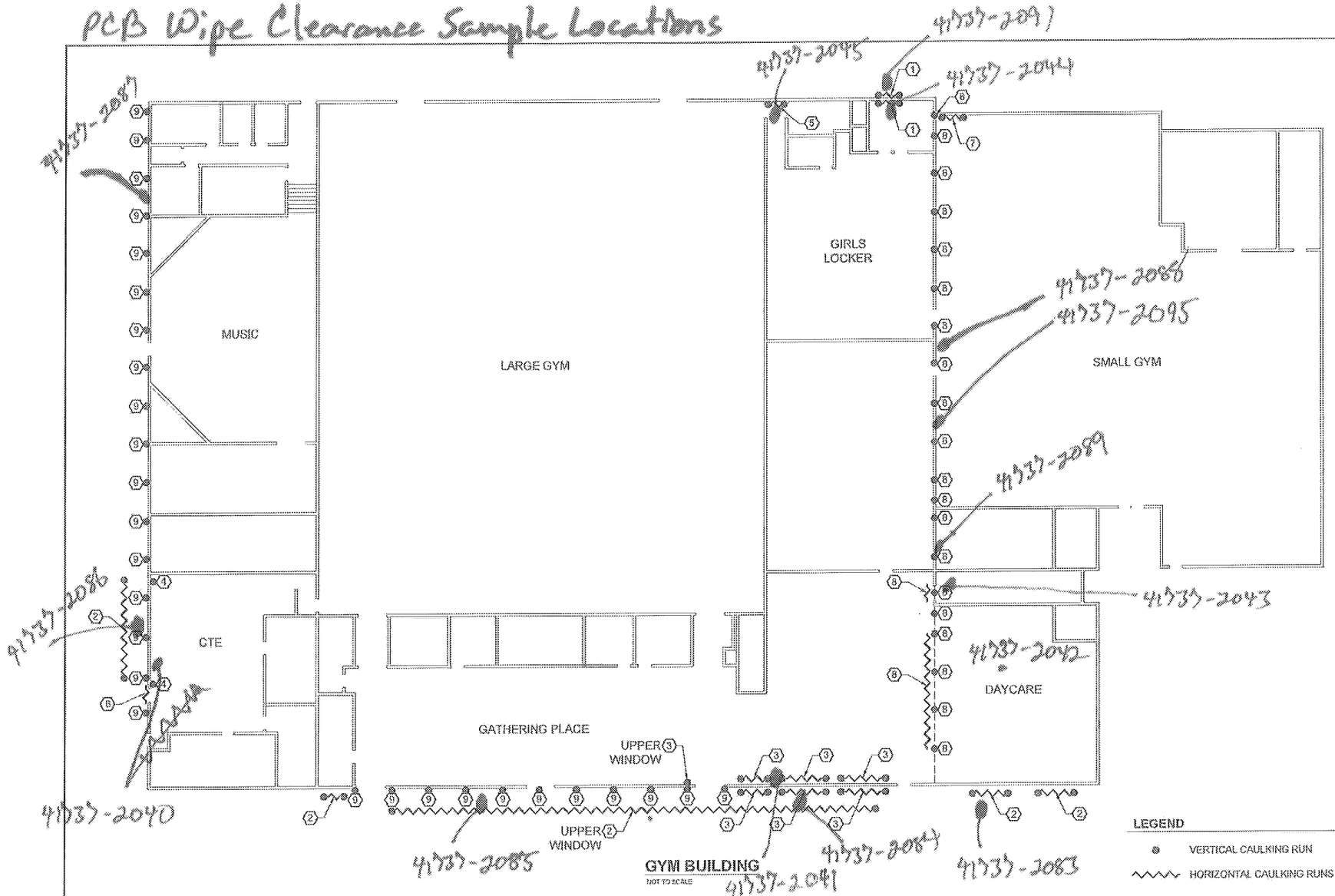
Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐

ED_004522_00089866-00233

PCB Wipe Clearance Sample Locations



LEGEND

- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUNS

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
2. REMOVAL OF HAZARDOUS MATERIALS MAY COMPROMISE THE SECURITY OF THE SITE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINTAINING SITE SECURITY AND PUBLIC SAFETY THROUGHOUT THE PROJECT. SEE SPECIFICATIONS REGARDING SECURITY AND PUBLIC SAFETY.
3. ABATEMENT CONTRACTOR TO COORDINATE ALL ACTIVITIES WITH ALL OTHER ONSITE WORK INCLUDING, BUT NOT LIMITED TO: SCHEDULE, ACCESS, STAGING, ETC. ABATEMENT CONTRACTOR TO REPORT LOCATIONS AND QUANTITIES OF ALL HAZARDOUS MATERIALS TO BE REMOVED, TO THE OWNERS REPRESENTATIVE PRIOR TO ABATEMENT/DEMOLITION.
4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

① REMOVE APPROX. 20 LF OF PCB-CONTAINING CAULKING LOCATED ON THE EXTERIOR AND INTERIOR METAL WINDOW FRAME ON THE GIRLS LOCKER ROOM NORTH PERIMETER WINDOW AS SHOWN.

② REMOVE APPROX. 300 LF OF PCB-CONTAINING CAULKING ON THE EXTERIOR METAL WINDOW FRAMES ON ALL WINDOWS AT THE SOUTH AND WEST ELEVATIONS OF THE LARGE GYM BUILDING AS SHOWN. THIS INCLUDES CAULKING THAT EXISTS AROUND EACH WINDOW INFILL PANEL METAL FRAME TRANSITION ON THE WEST ELEVATION. THESE INFILL PANELS ARE CEMENT ASBESTOS BOARD.

③ REMOVE APPROX. 40 LF OF PCB-CONTAINING CAULKING LOCATED ON INTERIOR SIDE OF THE THREE LOWER WINDOWS AND THE UPPER WINDOW BANK EAST VERTICAL IN THE GATHERING PLACE AS SHOWN.

④ REMOVE APPROX. 10 LF OF PCB-CONTAINING OF CAULK ON INTERIOR WINDOW FRAME VERTICALS IN THE CTE ROOM AS SHOWN.

⑤ REMOVE APPROX. 18 LF OF PCB-CONTAINING OF CAULK ON INTERIOR SIDE OF NORTH EXTERIOR GIRLS LOCKER ENTRY DOOR AS SHOWN.

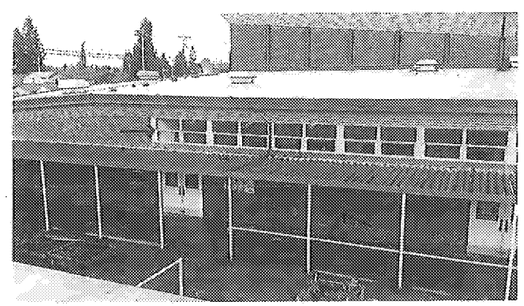
⑥ REMOVE APPROX. 18 LF OF PCB-CONTAINING OF CAULK ON EXTERIOR SIDE OF NORTH CTE ENTRY DOOR AS SHOWN.

⑦ REMOVE APPROX. 18 LF OF PCB-CONTAINING OF CAULK ON THE INTERIOR SIDE OF THE NORTHWEST PERIMETER ENTRY DOOR FRAME OF THE SMALL GYM AS SHOWN.

⑧ REMOVE APPROX. 500 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL VERTICAL STRUCTURAL METAL COLUMN TRANSITIONS THROUGHOUT THE EAST ELEVATION OF THE LARGE GYM AS SHOWN. THIS INCLUDES THE REMOVAL OF ALL CAULKING ON THE INTERIOR DEMISING WALL METAL BEAMS (VERTICAL AND HORIZONTAL) BETWEEN THE DAYCARE AND THE GATHERING PLACE/CAFETERIA AS SHOWN. THE CAULKING IS HEAVILY PAINTED THROUGHOUT THE WORK SCOPE AREA.

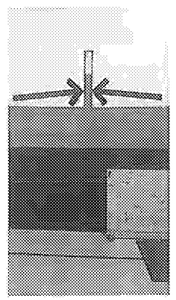
⑨ REMOVE APPROX. 780 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL EXTERIOR VERTICAL STRUCTURAL METAL COLUMN TRANSITIONS THROUGHOUT THE LOWER WEST AND SOUTH ELEVATIONS OF THE LARGE GYM BUILDING AS SHOWN.

NOT TO SCALE



②⑨PHOTO DETAIL

⑧PHOTO DETAIL



⑧PHOTO DETAIL

PBS
Engineering + Environmental
2517 Eastlake Ave East
Suite 100
Seattle, WA 98102
206.233.9639
www.pbsenv.com

MONROE SCHOOL DISTRICT

GYM BUILDING
CAULKING ABATEMENT PLAN

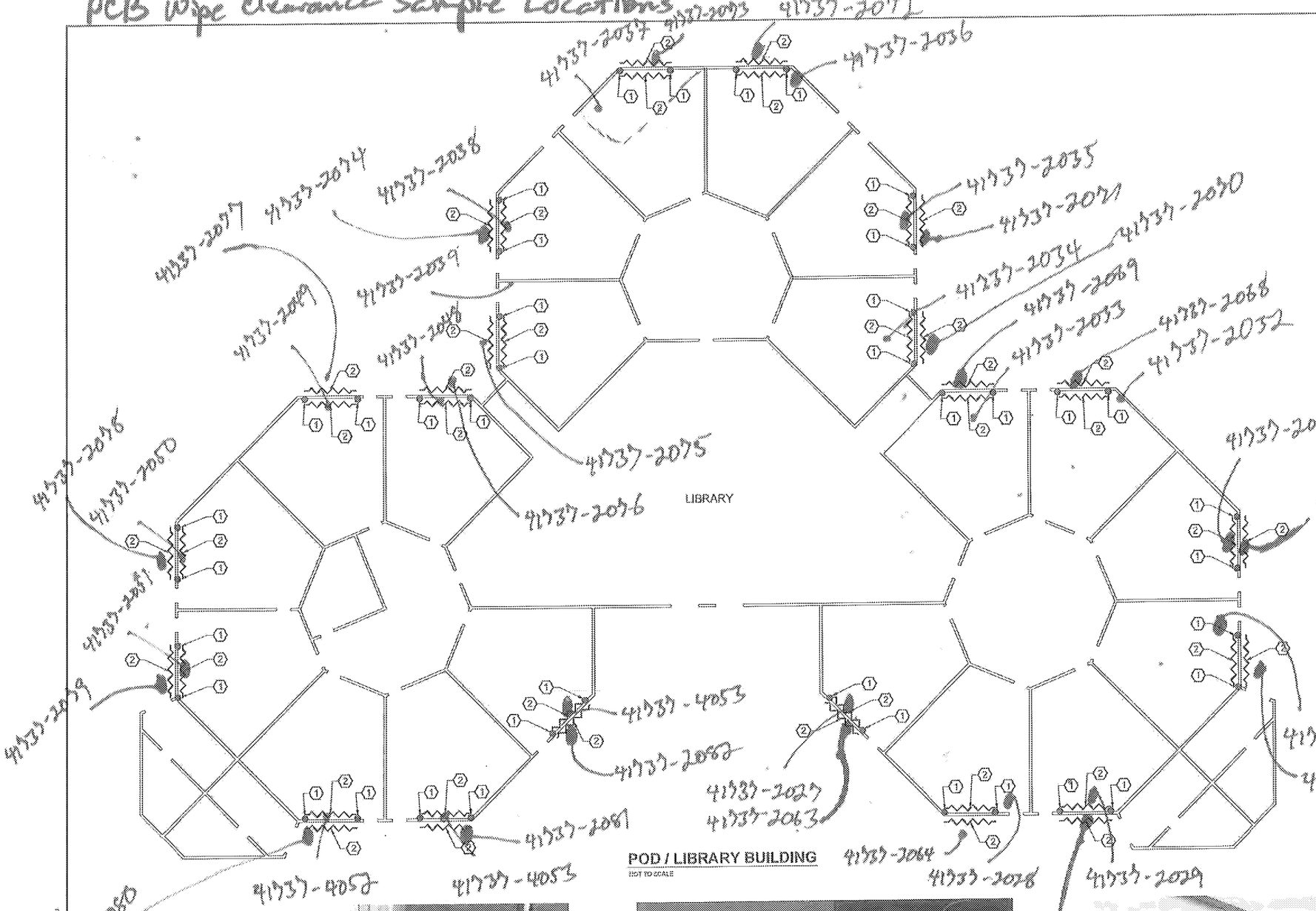
SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY
EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.009
DRAWN:	JHD
CHECKED:	CM
DATE:	JUNE 2016
DWG NO.	HM1
SHEET NO.	1 OF 5

ED_004522_00089866-00234

PCB wipe clearance Sample Locations



GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
2. REMOVAL OF HAZARDOUS MATERIALS MAY COMPROMISE THE SECURITY OF THE SITE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINTAINING SITE SECURITY AND PUBLIC SAFETY THROUGHOUT THE PROJECT. SEE SPECIFICATIONS REGARDING SECURITY AND PUBLIC SAFETY.
3. ABATEMENT CONTRACTOR TO COORDINATE ALL ACTIVITIES WITH ALL OTHER ONSITE WORK INCLUDING, BUT NOT LIMITED TO: SCHEDULE, ACCESS, STAGING, ETC. ABATEMENT CONTRACTOR TO REPORT LOCATIONS AND QUANTITIES OF ALL HAZARDOUS MATERIALS TO BE REMOVED, TO THE OWNERS REPRESENTATIVE PRIOR TO ABATEMENT/DEMOLITION.
4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

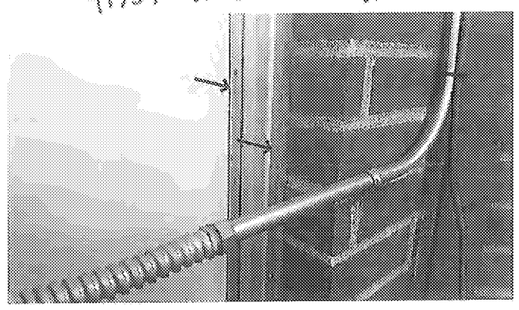
KEY NOTES

① REMOVE APPROX. 500 LF OF PCB-CONTAINING CAULKING LOCATED ON INTERIOR PERIMETER METAL WINDOW FRAME TO BRICK TRANSITION VERTICALS IN EACH OF CLASSROOMS 1-20 AS SHOWN.

② REMOVE APPROX. 1,400 LF OF PCB-CONTAINING CAULKING ON THE INTERIOR AND EXTERIOR SIDES OF THE CEMENT ASBESTOS BOARD (CAB) WINDOW INFILL PANELS. THE CAULKING FILLS THE GAP BETWEEN THE METAL WINDOW FRAME AND CAB TRANSITION IN EACH OF CLASSROOMS 1-20 AS SHOWN.

LEGEND

- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUN



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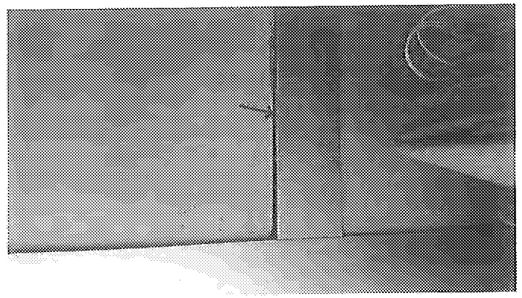

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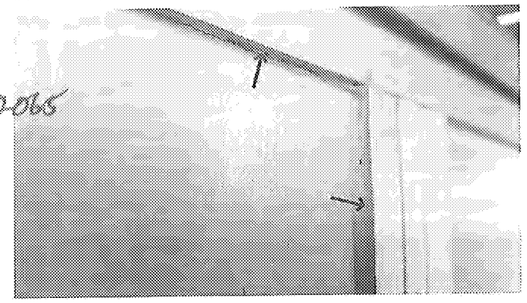


②PHOTO DETAIL

NOT TO SCALE

PBS
Engineering + Environmental
2517 Eastlake Ave East
Suite 100
Seattle, WA 98102
206.233.9639
www.pbsenv.com

MONROE SCHOOL DISTRICT

POD/LIBRARY BUILDING
CAULKING ABATEMENT PLAN

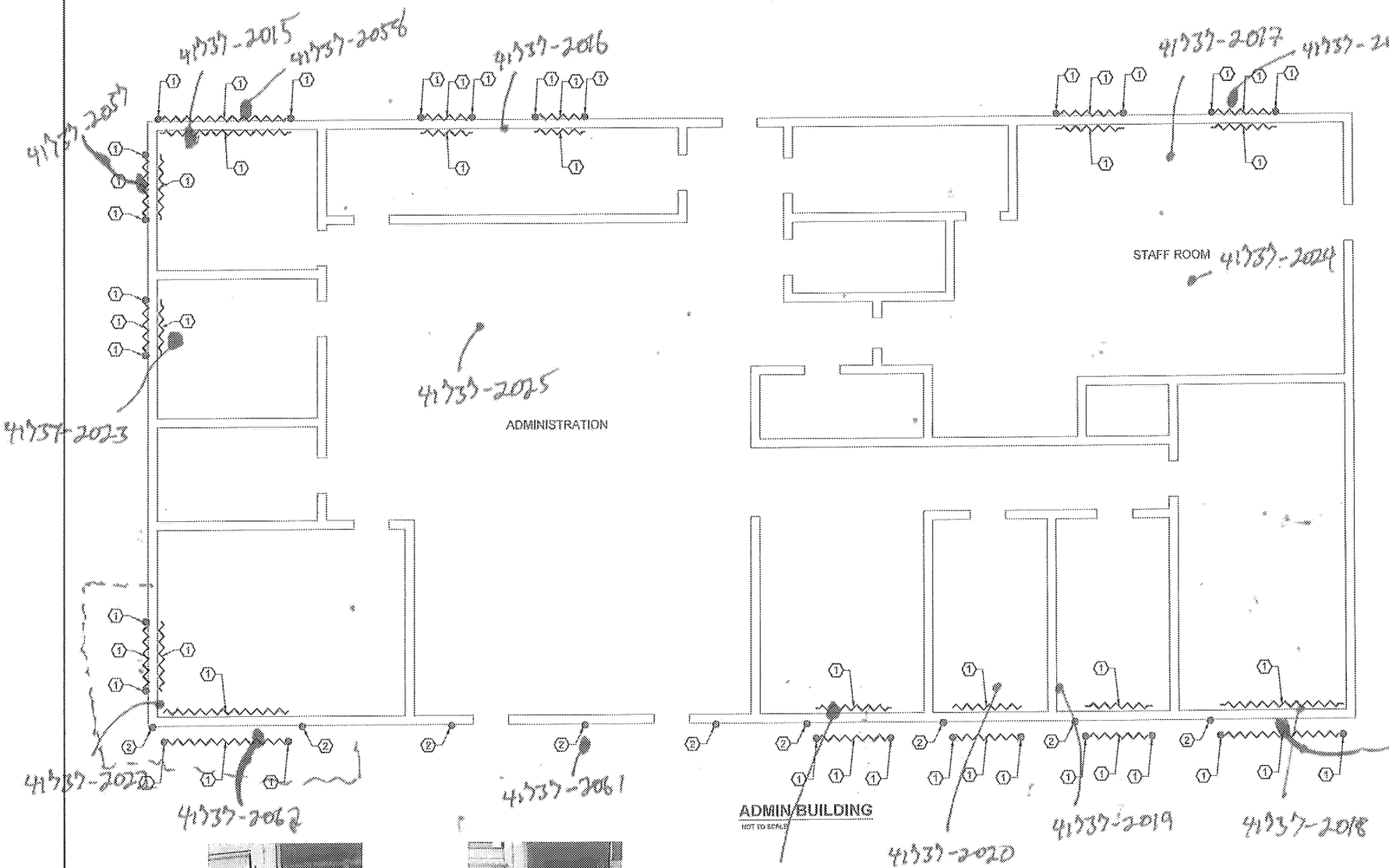
SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY
EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

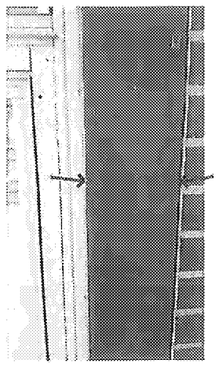
PROJECT:	41873.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2018
DWG NO.	HM2
SHEET NO.	2 OF 5

ED_004522_00089866-00235

PCB Wipe Clearance Sample Locations



①PHOTO DETAIL



②PHOTO DETAIL

GENERAL NOTES

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4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

① REMOVE APPROX. 400 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL INTERIOR METAL WINDOW SILL TRANSITIONS AND ALL EXTERIOR METAL WINDOW FRAME TRANSITIONS THROUGHOUT THE ADMINISTRATION BUILDING AS SHOWN.

② REMOVE APPROX. 175 LF OF PCB-CONTAINING CAULKING LOCATED ON ALL EXTERIOR VERTICAL STRUCTURAL METAL BEAM TRANSITIONS THROUGHOUT THE ADMINISTRATION BUILDING AS SHOWN.

LEGEND

- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUN

NOT TO SCALE

PBS
Engineering + Environmental
2517 Eastlake Ave East
Suite 100
Seattle, WA 98102
206.233.9639
www.pbsenv.com

MONROE SCHOOL DISTRICT

ADMIN BUILDING
CAULKING ABATEMENT PLAN

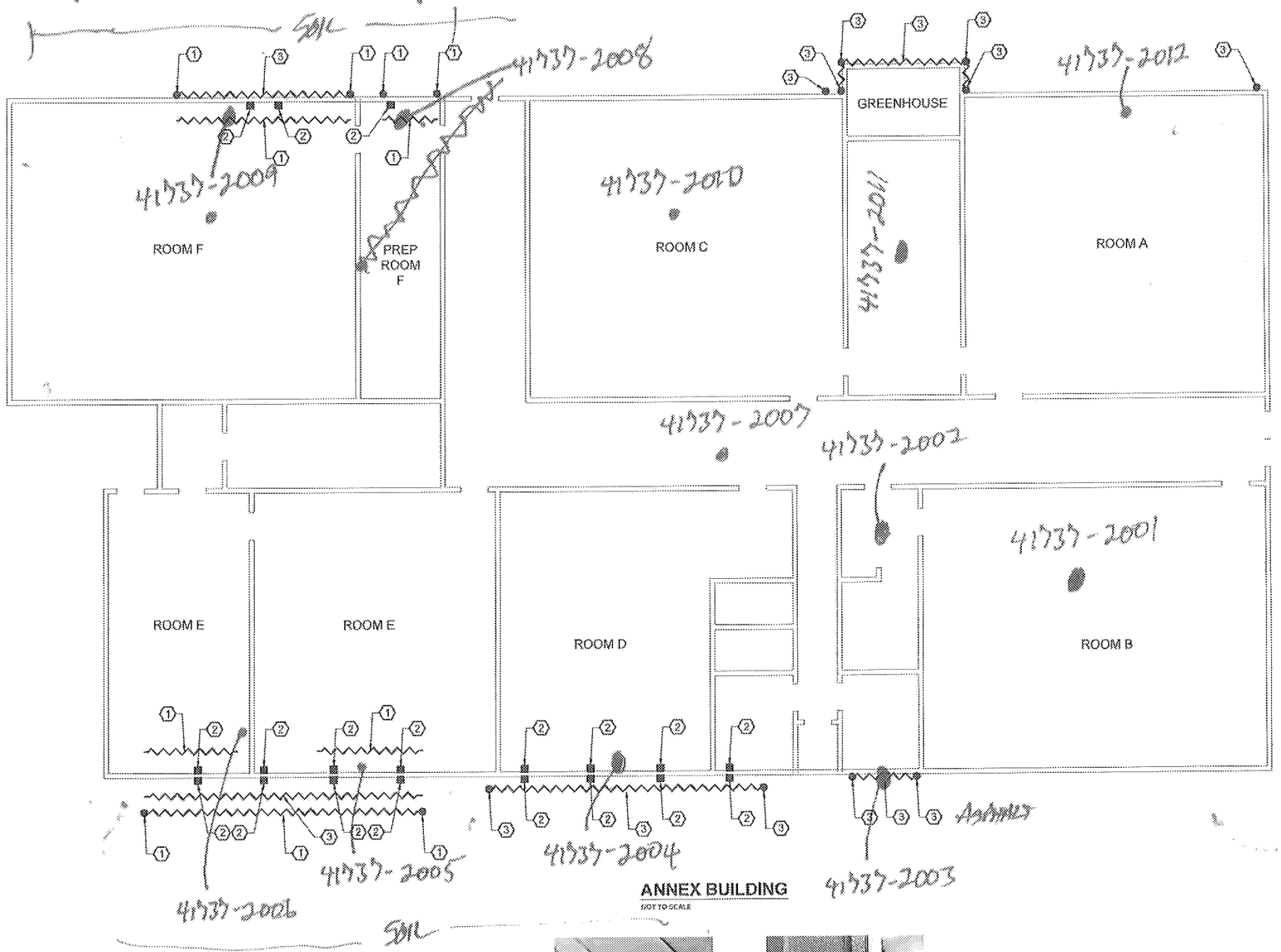
SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY
EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

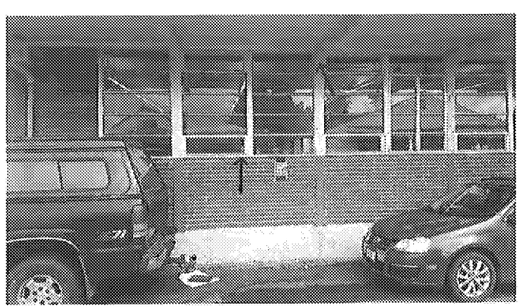
PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2018
DWG NO.	HM3
SHEET NO.	3 OF 5

ED_004522_00089866-00236

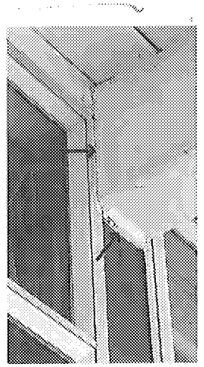
PCB Wipe Clearance Sample Locations



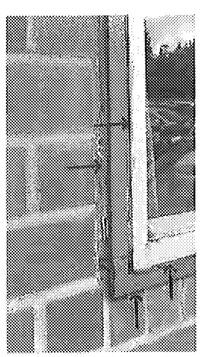
ANNEX BUILDING
NOT TO SCALE



①②③PHOTO DETAIL



②PHOTO DETAIL



①③PHOTO DETAIL

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
2. REMOVAL OF HAZARDOUS MATERIALS MAY COMPROMISE THE SECURITY OF THE SITE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINTAINING SITE SECURITY AND PUBLIC SAFETY THROUGHOUT THE PROJECT. SEE SPECIFICATIONS REGARDING SECURITY AND PUBLIC SAFETY.
3. ABATEMENT CONTRACTOR TO COORDINATE ALL ACTIVITIES WITH ALL OTHER ONSITE WORK INCLUDING, BUT NOT LIMITED TO: SCHEDULE, ACCESS, STAGING, ETC. ABATEMENT CONTRACTOR TO REPORT LOCATIONS AND QUANTITIES OF ALL HAZARDOUS MATERIALS TO BE REMOVED, TO THE OWNERS REPRESENTATIVE PRIOR TO ABATEMENT/DEMOLITION.
4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

① REMOVE APPROX. 200 LF OF PCB-CONTAINING CAULKING LOCATED ON INTERIOR PERIMETER METAL WINDOW FRAME TRANSITIONS. THIS INCLUDES REMOVAL OF CAULKING WHICH EXISTS ON EXTERIOR METAL WINDOW FRAME TRANSITIONS ON THE NORTH AND SOUTH BUILDING ELEVATION WINDOWS AS SHOWN.

② REMOVE APPROX. 80 LF OF PCB-CONTAINING CAULKING ON WOOD CEILING/SOFFIT BEAMS AT PERIMETER WALL/CEILING TRANSITIONS IN ROOMS E, F AND PREP ROOM F AS SHOWN.

③ REMOVE APPROX. 380 LF OF PCB AND ASBESTOS-CONTAINING TAN CAULKING LOCATED ON VARIOUS VERTICAL AND HORIZONTAL METAL WINDOW FRAME TRANSITIONS ON THE NORTH AND SOUTH ELEVATIONS OF THE ANNEX BUILDING AS SHOWN.

LEGEND

- VERTICAL CAULKING RUN
- CAULKING ON BEAM
- HORIZONTAL CAULKING RUN

NOT TO SCALE

PBS
Engineering + Environmental
2517 Eastlake Ave East
Suite 100
Seattle, WA 98102
206.233.9639
www.pbsenv.com

MONROE SCHOOL DISTRICT

ANNEX BUILDING
CAULKING ABATEMENT PLAN
SKY VALLEY EDUCATIONAL CENTER

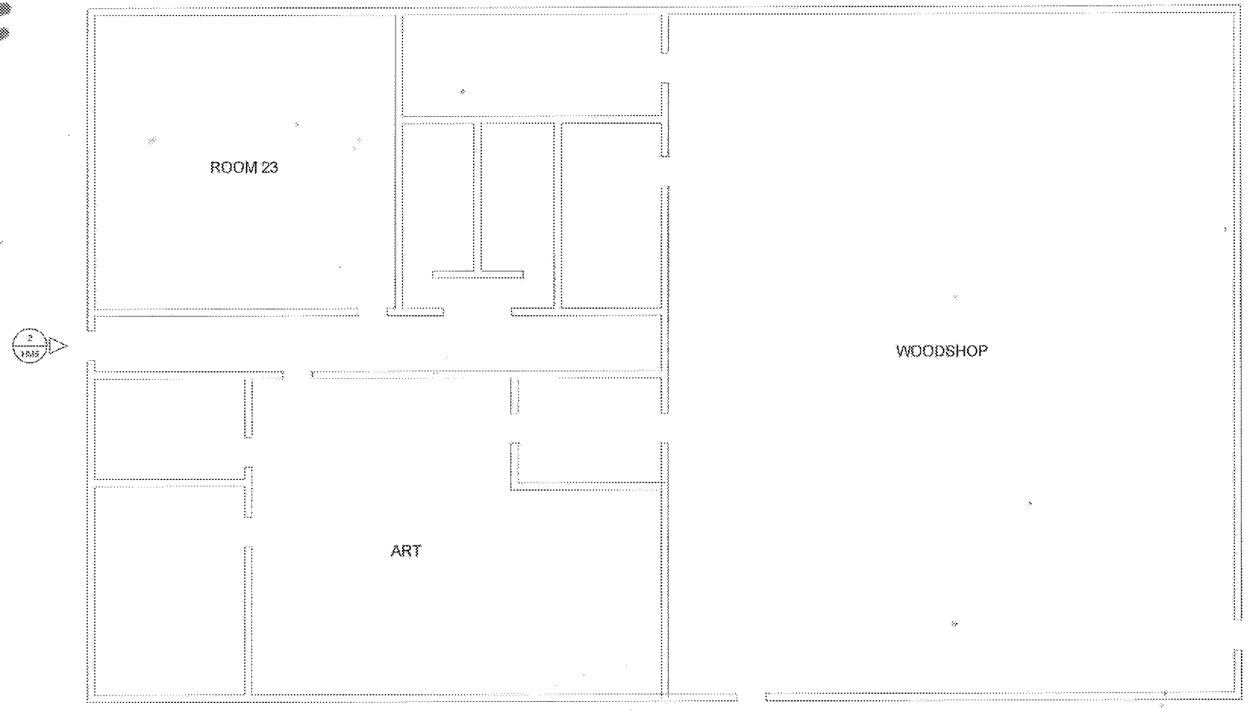
SKY VALLEY EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	DM
DATE:	JUNE 2016
DWG NO.	HM4
SHEET NO.	4 OF 5

ED_004522_00089866-00237

PCB [redacted] Clearance locations

WHC



GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
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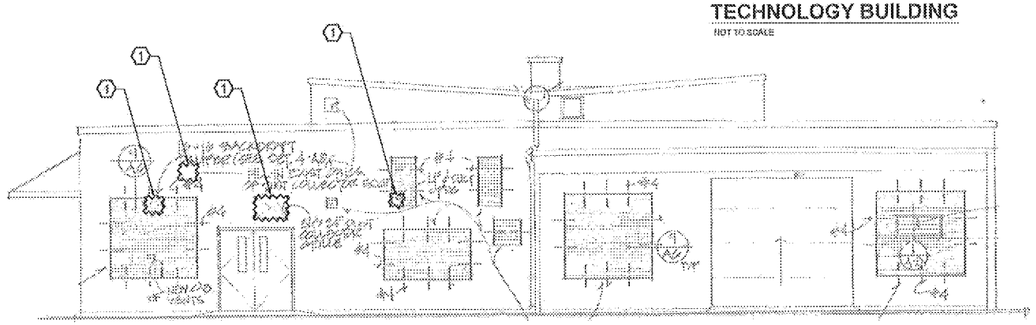
4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

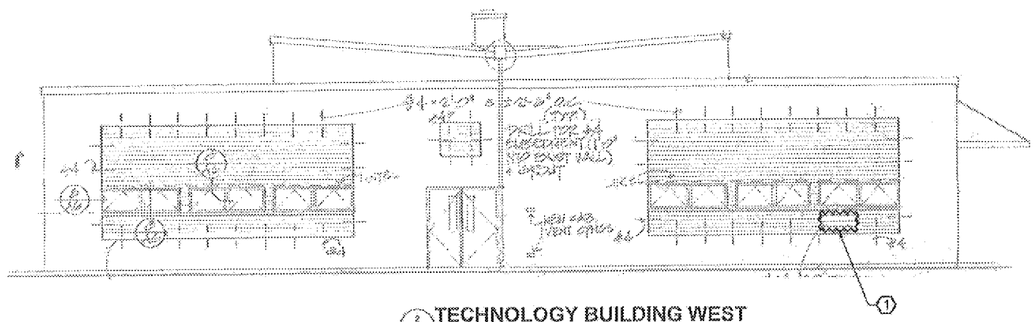
① REMOVE APPROX. 60 LF OF PCB-CONTAINING CAULKING LOCATED ON EXTERIOR LOUVERS, VENTS AND DUCTING ON METAL TRANSITIONS ON THE WEST AND EAST EXTERIOR ELEVATIONS OF THE TECHNOLOGY BUILDING AS SHOWN.

TECHNOLOGY BUILDING

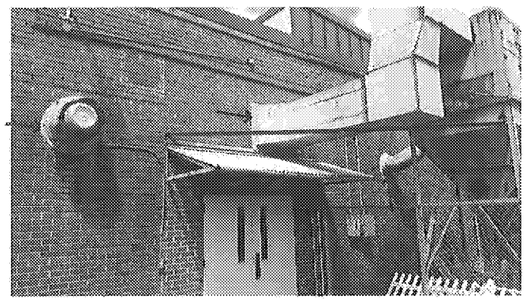
NOT TO SCALE



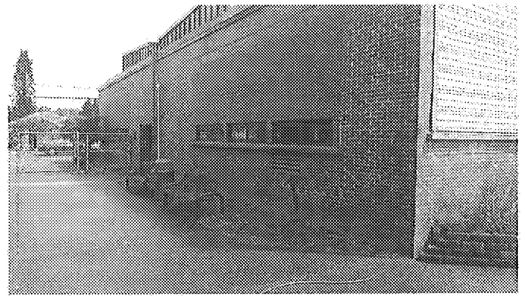
1 HM5 TECHNOLOGY BUILDING EAST
NOT TO SCALE



2 HM5 TECHNOLOGY BUILDING WEST
NOT TO SCALE



① PHOTO DETAIL



① PHOTO DETAIL

NOT TO SCALE

PBS
Engineering + Environmental
2517 Eastlake Ave East
Suite 100
Seattle, WA 98102
206.233.9639
www.pbsenv.com

MONROE SCHOOL DISTRICT

TECHNOLOGY BUILDING
CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY
EDUCATIONAL CENTER
331 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2016
DWG NO.	HM5
SHEET NO.	5 OF 5

ED_004522_00089866-00238

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

15961

☐ **REGULAR** Status

☒ **RUSH** Status Required - ADDITIONAL CHARGE

RESULTS REQUIRED BY _____ DATE

CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

Date 8/30/16 Purchase Order No. 41373.000

Company Name PBS Eng & Env

Address 2517 Eastlake Ave E #100

Seattle, WA 98102
City State Zip

Send Report To Gregg Middaugh

Email Address gregg.middaugh@pbsenv.com

Telephone (206) 255-4659

Fax Telephone ( ) _____

Billing Address (if different)
Same

Quote No. _____

Sampling Site SWMU

Date/Time of Collection 8/22/16 14:38

Project No. 41373.000

Lab Use Only	Client Sample Number	Media Type	Sample Volume (Liters)	ANALYSES REQUESTED - Use Method Number if Known
	41373 - 2001	Wipe	100 cm^2	SW8082 [redacted] Rm B Floor
	2002			Rm B Sink Counter
	2003			Girls Restroom S.T.L
	2004			Room D Uni Vent
	2005			Rm E ECST window sill
	2006			Rm E West counter
	2007			Annex Hall Center Floor
	2008			Room F Prep Wall
	2009			Rm F Floor
	2010			Room C Floor
	2011			Room A Prep Floor
	2012			Room A Uni Vent
	2013			Blank
	2014			Blank

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY.*

CHAIN OF CUSTODY

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
	8/30/16 14:38		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY						DELIVERY METHOD:	CLIENT	DROP BOX	FEDEX	UPS
COOLER TEMP:	°C	pH ADJUSTMENTS:				STD MAIL	PRTY MAIL	ALS	COURIER	OTHER:
COOLING METHOD:	NONE	COOLER	WET ICE	DRY ICE	ICE PACK	CUSTODY SEALS:	NONE	COOLER	PACKAGE	SAMPLES
						EQUIP. RETURNED:				

18891

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

☐ **REGULAR** Status

☒ **RUSH** Status Required - ADDITIONAL CHARGE

RESULTS REQUIRED BY _____ DATE

CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

Page: 1 of 1

Date 8/24/16 Purchase Order No. 41373.000

Company Name PBS Engineering & Environmental

Address 2517 Eastlake Ave E. #100

Seattle WA 98102
City State Zip

Send Report To Gregg Middaugh

Email Address gregg.middaugh@pbsenv.com

Telephone (206) 258-4659

Alt. Contact Name Cal Alvarez

Alt. Contact Info cal.alvarez@pbsenv.com

Quote No. _____

Sampling Site SVEC

Date/Time of Collection 8/24/16 1400

Project No. 41373.000

Billing Address (if different)
Same

Lab Use Only	Client Sample Number	Media Type	Sample Volume (L)/ Sample Time (min.)	ANALYSIS REQUESTED - Use Method Number and Variation SW 8082
	41373-2015	Wipe		Karen's Office Window sill [redacted]
	2016			Conf. Rm N. Wall
	2017			Staff Rm Floor
	2018			Nurse Rm Window Sill
	2019			Counselor Room Wall
	2020			Gary Mark's Room Floor
	2021			Main Area Window Sill
	2022			Colin Eggers Rm South Wall
	2023			Sarah Parry's Rm Floor
	2024			Staff Room Table Top
	2025			Main Office Jeanette's Desk Top
	2026			Blank
	2027			Blank

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

CHAIN OF CUSTODY

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
	8/24/16 1400		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY						DELIVERY METHOD:	CLIENT	DROP BOX	FEDEX	UPS
COOLER TEMP:	°C	pH ADJUSTMENTS:				STD MAIL	PRTY MAIL	ALS	COURIER	OTHER:
COOLING METHOD:	NONE	COOLER	WET ICE	DRY ICE	ICE PACK	CUSTODY SEALS:	NONE	COOLER	PACKAGE	SAMPLES
						EQUIP. RETURNED:				

18912

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

☐ **REGULAR** Status

☒ **RUSH** Status Required - ADDITIONAL CHARGE
RESULTS REQUIRED BY 9/1/16 (DATE)
CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

Page: 1 of 2

Date 8/29/16 Purchase Order No. 41373.000
Company Name PBS Engineering & Environmental
Address 2517 Eastlake Ave E. #100
Seattle (City) WA (State) 98102 (Zip)
Send Report To Gregg Middaugh
Email Address gregg.middaugh@pbsenv.com
Telephone (206) 255-4657
Alt. Contact Name Cel Alvarez
Alt. Contact Info (206) 348-9774

Quote No.
Sampling Site SVEC
Date/Time of Collection 8/29/16 12:00
Project No. 41373.000
Billing Address (if different)

Lab Use Only	Client Sample Number	Media Type	Sample Volume (L)/ Sample Time (min.)	ANALYSIS REQUESTED - Use Method Number if Known
	41373-2027	Wipe	100 cm²	Rm 1 Univent
	2028			Rm 2 Floor Tile
	2029			Rm 3 Floor Carpet
	2030			Rm 4 Floor Tile
	2031			Rm 5 Univent
	2032			Rm 6 West Wall
	2033			Rm 7 Carpet Floor
	2034			Rm 8 Concrete Floor
	2035			Rm 9 Univent
	2036			Rm 10 N. Plywood Wall
	2037			Rm 11 Concrete Floor
	2038			Rm 12 Univent
	2039			Rm 13 East Wall (GWB)
	2040			CTE Concrete Floor
	2041			Common's Small Brick
	2042			Day care Floor tile

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

CHAIN OF CUSTODY

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
	8/29/16 1430		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY						DELIVERY METHOD:	CLIENT	DROP BOX	FEDEX	UPS
COOLER TEMP:	°C	pH ADJUSTMENTS:				STD MAIL	PRTY MAIL	ALS	COURIER	OTHER:
COOLING METHOD:	NONE	COOLER	WET ICE	DRY ICE	ICE PACK	CUSTODY SEALS:	NONE	COOLER	PACKAGE	SAMPLES
						EQUIP. RETURNED:				

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

18914

☐ **REGULAR** Status

☒ **RUSH** Status Required - ADDITIONAL CHARGE
RESULTS REQUIRED BY 9/1/16 (DATE)
CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

Date 8/29/16 Purchase Order No. 41373.000
Company Name PBS Engineering & Environmental
Address 2517 Eastlake Ave E #100
Seattle (City), WA (State) 9802 (Zip)
Send Report To Gregg Middaugh
Email Address gregg.middaugh@pbsenv.com
Telephone (206) 255-4659
Alt. Contact Name Cel Alvarez
Alt. Contact Info 206-348-9374

Quote No.
Sampling Site SVEC
Date/Time of Collection 8/29/16 12:00
Project No. 41373.000
Billing Address (if different) SAME

Lab Use Only	Client Sample Number	Media Type	Sample Volume (L)/ Sample Time (min.)	ANALYSIS REQUESTED - Use Method Number if Known
	41373-2043	Wipe	10x10cm²	Weight Rm Floor Tile
	-2044	Wipe		Girls Locker Storage Window Sill
	-2045	Wipe		Girls Locker at door concrete floor
	-2046	WIPE		Blank
	-2047	WIPE		Blank

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY.*

CHAIN OF CUSTODY

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
	8/29/16 1430		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY						DELIVERY METHOD:	CLIENT	DROP BOX	FEDEX	UPS
COOLER TEMP:	°C	pH ADJUSTMENTS:				STD MAIL	PRTY MAIL	ALS	COURIER	OTHER:
COOLING METHOD:	NONE	COOLER	WET ICE	DRY ICE	ICE PACK	CUSTODY SEALS:	NONE	COOLER	PACKAGE	SAMPLES
						EQUIP. RETURNED:				

18892

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

☐ **REGULAR** Status

☒ **RUSH** Status Required - ADDITIONAL CHARGE
RESULTS REQUIRED BY 9/2/16 DATE
CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

Page: 1 of 1

Date 8/30/16 Purchase Order No. 41373.000 Quote No.

Company Name PBS Eng + Env Sampling Site SVEC

Address 2517 East Lake Ave E #100 Date/Time of Collection 8/30/16 1130

Seattle (City) WA (State) 98102 (Zip) Project No. 41373.000

Send Report To Gregg Middaugh Billing Address (if different)

Email Address gregg.middaugh@pbsenv.com Same

Telephone (206) 255-4659

Alt. Contact Name Cal Alvarez

Alt. Contact Info 206-348-9774 Stella Harris - Project Manager

Lab Use Only	Client Sample Number	Media Type	Sample Volume (L)/ Sample Time (min.)	ANALYSIS REQUESTED - Use Method Number
	41373 - 2048	Wipe	100cm²	Rm 14 Univent
	2049			Rm 15 Univent
	2050			Rm 16 Univent
	2051			Rm 17 Univent
	2052			Rm 18 Univent
	2053			Rm 19 Univent
	2054			Rm 20 Univent
	2055			Blank
	2056			Blank

SW8082

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

CHAIN OF CUSTODY

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
	8/30/16 1400		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY						DELIVERY METHOD:	CLIENT	DROP BOX	FEDEX	UPS
COOLER TEMP:	°C	pH ADJUSTMENTS:				STD MAIL	PRTY MAIL	ALS	COURIER	OTHER:
COOLING METHOD:	NONE	COOLER	WET ICE	DRY ICE	ICE PACK	CUSTODY SEALS:	NONE	COOLER	PACKAGE	SAMPLES
						EQUIP. RETURNED:				

18889

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

☐ REGULAR Status

☒ RUSH Status Required - ADDITIONAL CHARGE
RESULTS REQUIRED BY 9/6/2016 (DATE)
CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

Page: 1 of 3

Date 9/1/16 Purchase Order No. 41373.000
Company Name PBS Engineering & Environmental
Address 2517 Eastlake Ave E. #100
Seattle (City) WA (State) 98102 (Zip)
Send Report To Gregg Middaugh
Email Address gregg.middaugh@pbsenv.com
Telephone (206) 255-4654
Alt. Contact Name Cel Alvarez
Alt. Contact Info 206-348-9774

Quote No.
Sampling Site SVEC
Date/Time of Collection
Project No. 41373.000
Billing Address (if different)
Sam
Stella Harris - Project Manager

Lab Use Only	Client Sample Number	Media Type	Sample Volume (L)/ Sample Time (min.)	ANALYSIS REQUESTED - Use Method Number if known SW8082
	41373-2057	wipe	100cm²	Admin NW corner West Ext [redacted]
	2058			NW Window North Ext.
	2059			NE corner North Ext
	2060			SE corner South Ext
	2061			Admin Entrance
	2062			SW corner South
	2063			Room 1
	2064			Room 2
	2065			Room 3
	2066			Room 4
	2067			Room 5
	2068			Room 6
	2069			Room 7
	2070			Room 8
	2071			Room 9
	2072			Room 10

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

CHAIN OF CUSTODY

Relinquished by: (Signature)	Date/ Time	Received by: (Signature)	Date / Time
	9/1/16 1430		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY

COOLER TEMP: °C pH ADJUSTMENTS:

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS
STD MAIL PRTY MAIL ALS COURIER OTHER:

CUSTODY SEALS: NONE COOLER PACKAGE SAMPLES

EQUIP. RETURNED:

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

18889

☐ **REGULAR** Status

☒ **RUSH** Status Required - ADDITIONAL CHARGE
RESULTS REQUIRED BY 9/6/2016 (DATE)
CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

Page: 2 of 3

Date 9/1/16 Purchase Order No. 41373.000
Company Name PBS Engineering & Environmental
Address 2517 Eastlake Ave E. #100
Seattle (City) WA (State) 98102 (Zip)
Send Report To Gregg Middaugh
Email Address gregg.middaugh@pbsenv.com
Telephone (206) 255-4654
Alt. Contact Name Cel Alvarez
Alt. Contact Info 206-348-9774

Quote No.
Sampling Site SVEC
Date/Time of Collection
Project No. 41373.000
Billing Address (if different)
Sam

Stella Harris - Project Manager

Lab Use Only	Client Sample Number	Media Type	Sample Volume (L)/ Sample Time (min.)	ANALYSIS REQUESTED - Use Method Number SW8082
	41373-2073	Wipe	100 cm²	Room 11 Exterior Below Window - [redacted]
	2074			Room 12
	2075			Room 13
	2076			Room 14
	2077			Room 15
	2078			Room 16
	2079			Room 17
	2080			Room 18
	2081			Room 19
	2082			Room 20
	2083			Gym SE Corner below exterior windows
	2084			Gym Commons " " "
	2085			Gym Commons West Area
	2086			Gym West side under window
	2087			Gym NW Area
	2088			Small Gym Wood Floor

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

CHAIN OF CUSTODY

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
	9/1/16 1430		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY						DELIVERY METHOD:	STD MAIL	PRTY MAIL	ALS	CLIENT	COURIER	DROP BOX	FEDEX	UPS	OTHER:
COOLER TEMP:	°C	pH ADJUSTMENTS:				CUSTODY SEALS:	NONE	COOLER	PACKAGE	SAMPLES					
COOLING METHOD:	NONE	COOLER	WET ICE	DRY ICE	ICE PACK	EQUIP. RETURNED:									

18889

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

☐ REGULAR Status

☒ RUSH Status Required - ADDITIONAL CHARGE
RESULTS REQUIRED BY 9/6/2016 DATE
CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

Page: 3 of 3

Date 9/1/16 Purchase Order No. 41373.000
Company Name PBS Engineering & Environmental
Address 2517 Eastlake Ave E. #100
Seattle WA 98102
City State Zip
Send Report To Gregg Middaugh
Email Address gregg.middaugh@pbsenv.com
Telephone (206) 255-4654
Alt. Contact Name Cel Alvarez
Alt. Contact Info 206-348-9774

Quote No.
Sampling Site SVEC
Date/Time of Collection
Project No. 41373.000
Billing Address (if different)
Sam

Stella Hanis - Project Manager

Lab Use Only	Client Sample Number	Media Type	Sample Volume (L)/ Sample Time (min.)	ANALYSIS REQUESTED - Use Method Number and Description
	41373-2089	Wipe	100 cm²	Small Gym Storage SW8082 [redacted]
	2090			Tech Bldg East Area
	2091			Gym - Est Girls Locker, N. window
	2092			Blank
	2093			Blank

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY.*

CHAIN OF CUSTODY

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
	9/1/16 1430		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY					DELIVERY METHOD: STD MAIL PRTY MAIL CLIENT ALS DROP BOX COURIER FEDEX UPS OTHER:
COOLER TEMP: °C	pH ADJUSTMENTS:				CUSTODY SEALS: NONE COOLER PACKAGE SAMPLES
COOLING METHOD: NONE	COOLER	WET ICE	DRY ICE	ICE PACK	EQUIP. RETURNED:

ED_004522_00089866-00246

Chain of Custody

Page 1 of _____

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: PBS Engineering & Environmental
Project Number: 41373.000
Project Name: Sky Valley Ed Ctr.
Project Manager: Greg Middaugh
Sampled by: Cel Alvarez

Turnaround Request (in working days)
(Check One)
☒ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days) (TPH analysis 5 Days)
☒ ASAP
(other)

Laboratory Number:

Lab ID	Sample Identification	Location	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	PCB Sw 8082				% Moisture
1	41373 - 2094	Admin Ext. SE	9/9/16	6:30	Wipe	1																		X				
2	2095	Small Gym Ext. Grnd				1																		X				
3	2096	Blank				1																		X				
4	2097	Blank	↓	↓	↓	1																		X	↓			

	Signature	Company	Date	Time
Relinquished		PBS	9/9/16	9:31
Received		OSE	9.9.16	7:31A
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
email: cel.alvarez@pbsenv.com

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

ED_004522_00089866-00247

ALS Environmental

24-Aug-2016

Gregg Middaugh
PBS
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Tel: (206) 255-4659
Fax:

Re: SVEC; 41373.000 Work Order: **1608810**

Dear Gregg,

ALS Environmental received 14 samples on 23-Aug-2016 09:44 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 20.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

ED_004522_00089866-00248

ALS Environmental

Date: 24-Aug-16

Client: PBS
Project: SVEC; 41373.000
Work Order: **1608810**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1608810-01	41373-2001	Wipe		8/22/2016	8/23/2016 09:44	☐
1608810-02	41373-2002	Wipe		8/22/2016	8/23/2016 09:44	☐
1608810-03	41373-2003	Wipe		8/22/2016	8/23/2016 09:44	☐
1608810-04	41373-2004	Wipe		8/22/2016	8/23/2016 09:44	☐
1608810-05	41373-2005	Wipe		8/22/2016	8/23/2016 09:44	☐
1608810-06	41373-2006	Wipe		8/22/2016	8/23/2016 09:44	☐
1608810-07	41373-2007	Wipe		8/22/2016	8/23/2016 09:44	☐
1608810-08	41373-2008	Wipe		8/22/2016	8/23/2016 09:44	☐
1608810-09	41373-2009	Wipe		8/22/2016	8/23/2016 09:44	☐
1608810-10	41373-2010	Wipe		8/22/2016	8/23/2016 09:44	☐
1608810-11	41373-2011	Wipe		8/22/2016	8/23/2016 09:44	☐
1608810-12	41373-2012	Wipe		8/22/2016	8/23/2016 09:44	☐
1608810-13	41373-2013	Wipe		8/22/2016	8/23/2016 09:44	☐
1608810-14	41373-2014	Wipe		8/22/2016	8/23/2016 09:44	☐

ED_004522_00089866-00249

ALS Environmental *Date: 24-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Work Order: 1608810

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ED_004522_00089866-00250

ALS Environmental

Date: *24-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2001
Collection Date: 8/22/2016

Work Order: 1608810
Lab ID: 1608810-01
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/23/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *24-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2002
Collection Date: 8/22/2016

Work Order: 1608810
Lab ID: 1608810-02
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/23/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *24-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2003
Collection Date: 8/22/2016

Work Order: 1608810
Lab ID: 1608810-03
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/23/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *24-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2004
Collection Date: 8/22/2016

Work Order: 1608810
Lab ID: 1608810-04
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/23/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *24-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2005
Collection Date: 8/22/2016

Work Order: 1608810
Lab ID: 1608810-05
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/23/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *24-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2006
Collection Date: 8/22/2016

Work Order: 1608810
Lab ID: 1608810-06
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/23/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *24-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2007
Collection Date: 8/22/2016

Work Order: 1608810
Lab ID: 1608810-07
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/23/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *24-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2008
Collection Date: 8/22/2016

Work Order: 1608810
Lab ID: 1608810-08
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/23/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *24-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2009
Collection Date: 8/22/2016

Work Order: 1608810
Lab ID: 1608810-09
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/23/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *24-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2010
Collection Date: 8/22/2016

Work Order: 1608810
Lab ID: 1608810-10
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/23/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *24-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2011
Collection Date: 8/22/2016

Work Order: 1608810
Lab ID: 1608810-11
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/23/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *24-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2012
Collection Date: 8/22/2016

Work Order: 1608810
Lab ID: 1608810-12
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/23/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *24-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2013
Collection Date: 8/22/2016

Work Order: 1608810
Lab ID: 1608810-13
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/23/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *24-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2014
Collection Date: 8/22/2016

Work Order: 1608810
Lab ID: 1608810-14
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/23/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ED_004522_00089866-00264

ALS Environmental

Date: 24-Aug-16

Client: PBS

Work Order: 1608810

Project: SVEC; 41373.000

QC BATCH REPORT

Batch ID: **37886** Instrument ID: **GC3** Method: **SW8082**

MBLK Sample ID: **MBLK-37886-37886** Units: **µg/sample** Analysis Date: **8/23/2016**

Client ID: Run ID: **GC3_160823B** SeqNo: **1342080** Prep Date: **8/23/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Aroclor 1262	ND	1.0								
Aroclor 1268	ND	1.0								
Surr: Decachlorobiphenyl	0.367	0	*0.5*	0	*73.4*	*6.99-104*	0			
Surr: Tetrachloro-m-xylene	0.343	0	*0.5*	0	*68.6*	*20-104*	0			

LCS Sample ID: **LCS-37886-37886** Units: **µg/sample** Analysis Date: **8/23/2016**

Client ID: Run ID: **GC3_160823B** SeqNo: **1342081** Prep Date: **8/23/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	10.03	1.0	10	0	100	38.1-135	0			
Surr: Decachlorobiphenyl	0.454	0	*0.5*	0	*90.8*	*6.99-104*	0			
Surr: Tetrachloro-m-xylene	0.401	0	*0.5*	0	*80.2*	*20-104*	0			

LCSD Sample ID: **LCSD-37886-37886** Units: **µg/sample** Analysis Date: **8/23/2016**

Client ID: Run ID: **GC3_160823B** SeqNo: **1342096** Prep Date: **8/23/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	10.45	1.0	10	0	104	38.1-135	10.03	4.08	20	
Surr: Decachlorobiphenyl	0.512	0	*0.5*	0	*102*	*6.99-104*	0.454	*12*	*20*	
Surr: Tetrachloro-m-xylene	0.462	0	*0.5*	0	*92.4*	*20-104*	0.401	*14.1*	*20*	

The following samples were analyzed in this batch:

1608810-01A	1608810-02A	1608810-03A
1608810-04A	1608810-05A	1608810-06A
1608810-07A	1608810-08A	1608810-09A
1608810-10A	1608810-11A	1608810-12A
1608810-13A	1608810-14A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: PBS
Project: SVEC; 41373.000
WorkOrder: **1608810**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ED_004522_00089866-00266

ALS Environmental

Sample Receipt Checklist

Client Name: **PBS-SEATTLE** Date/Time Received: **23-Aug-16 09:44**

Work Order: **1608810** Received by: **CEG**

Checklist completed by: StephanieHarrington 23-Aug-16 Reviewed by: ShawnSmyth 23-Aug-16
eSignature Date eSignature Date

Matrices:
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Environmental

26-Aug-2016

Gregg Middaugh
PBS
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Tel: (206) 255-4659
Fax:

Re: SVEC; 41373.000 Work Order: **1608892**

Dear Gregg,

ALS Environmental received 13 samples on 25-Aug-2016 09:58 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 19.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

ALS Environmental

Date: 26-Aug-16

Client: PBS
Project: SVEC; 41373.000
Work Order: **1608892**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1608892-01	41373-2015	Wipe		8/24/2016 14:00	8/24/2016 09:58	☐
1608892-02	41373-2016	Wipe		8/24/2016 14:00	8/24/2016 09:58	☐
1608892-03	41373-2017	Wipe		8/24/2016 14:00	8/24/2016 09:58	☐
1608892-04	41373-2018	Wipe		8/24/2016 14:00	8/24/2016 09:58	☐
1608892-05	41373-2019	Wipe		8/24/2016 14:00	8/24/2016 09:58	☐
1608892-06	41373-2020	Wipe		8/24/2016 14:00	8/24/2016 09:58	☐
1608892-07	41373-2021	Wipe		8/24/2016 14:00	8/24/2016 09:58	☐
1608892-08	41373-2022	Wipe		8/24/2016 14:00	8/24/2016 09:58	☐
1608892-09	41373-2023	Wipe		8/24/2016 14:00	8/24/2016 09:58	☐
1608892-10	41373-2024	Wipe		8/24/2016 14:00	8/24/2016 09:58	☐
1608892-11	41373-2025	Wipe		8/24/2016 14:00	8/24/2016 09:58	☐
1608892-12	41373-2026	Wipe		8/24/2016 14:00	8/24/2016 09:58	☐
1608892-13	41373-2027	Wipe		8/24/2016 14:00	8/24/2016 09:58	☐

ED_004522_00089866-00269

ALS Environmental *Date: 26-Aug-16*

Client:	PBS
Project:	SVEC; 41373.000
Work Order:	1608892

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ED_004522_00089866-00270

ALS Environmental

Date: *26-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2015
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608892
Lab ID: 1608892-01
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ED_004522_00089866-00271

ALS Environmental

Date: *26-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2016
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608892
Lab ID: 1608892-02
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *26-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2017
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608892
Lab ID: 1608892-03
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *26-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2018
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608892
Lab ID: 1608892-04
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *26-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2019
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608892
Lab ID: 1608892-05
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *26-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2020
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608892
Lab ID: 1608892-06
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *26-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2021
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608892
Lab ID: 1608892-07
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *26-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2022
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608892
Lab ID: 1608892-08
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *26-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2023
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608892
Lab ID: 1608892-09
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *26-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2024
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608892
Lab ID: 1608892-10
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *26-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2025
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608892
Lab ID: 1608892-11
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *26-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2026
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608892
Lab ID: 1608892-12
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **0 cm2**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	NA	
Aroclor 1221	ND	1.0	NA	
Aroclor 1232	ND	1.0	NA	
Aroclor 1242	ND	1.0	NA	
Aroclor 1248	ND	1.0	NA	
Aroclor 1254	ND	1.0	NA	
Aroclor 1260	ND	1.0	NA	
Aroclor 1262	ND	1.0	NA	
Aroclor 1268	ND	1.0	NA	

Note:

ALS Environmental

Date: *26-Aug-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2027
Collection Date: 8/24/2016 02:00 PM

Work Order: 1608892
Lab ID: 1608892-13
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **0 cm2**	Analyst: **JEA**
Date Analyzed: 8/26/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	NA	
Aroclor 1221	ND	1.0	NA	
Aroclor 1232	ND	1.0	NA	
Aroclor 1242	ND	1.0	NA	
Aroclor 1248	ND	1.0	NA	
Aroclor 1254	ND	1.0	NA	
Aroclor 1260	ND	1.0	NA	
Aroclor 1262	ND	1.0	NA	
Aroclor 1268	ND	1.0	NA	

Note:

ALS Environmental

Date: 26-Aug-16

Client: PBS

Work Order: 1608892

Project: SVEC; 41373.000

QC BATCH REPORT

Batch ID: **37947** Instrument ID: **GC3** Method: **SW8082**

MBLK Sample ID: **MBLK-37947-37947** Units: **µg/sample** Analysis Date: **8/26/2016**

Client ID: Run ID: **GC3_160826A** SeqNo: **1344049** Prep Date: **8/25/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Aroclor 1262	ND	1.0								
Aroclor 1268	ND	1.0								
Surr: Decachlorobiphenyl	0.451	0	*0.5*	0	*90.2*	*6.99-104*	0			
Surr: Tetrachloro-m-xylene	0.445	0	*0.5*	0	*89*	*20-104*	0			

LCS Sample ID: **LCS-37947-37947** Units: **µg/sample** Analysis Date: **8/26/2016**

Client ID: Run ID: **GC3_160826A** SeqNo: **1344050** Prep Date: **8/25/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	9.486	1.0	10	0	94.9	38.1-135	0			
Surr: Decachlorobiphenyl	0.447	0	*0.5*	0	*89.4*	*6.99-104*	0			
Surr: Tetrachloro-m-xylene	0.448	0	*0.5*	0	*89.6*	*20-104*	0			

LCSD Sample ID: **LCSD-37947-37947** Units: **µg/sample** Analysis Date: **8/26/2016**

Client ID: Run ID: **GC3_160826A** SeqNo: **1344064** Prep Date: **8/25/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	9.403	1.0	10	0	94	38.1-135	9.486	0.879	20	
Surr: Decachlorobiphenyl	0.431	0	*0.5*	0	*86.2*	*6.99-104*	0.447	*3.64*	*20*	
Surr: Tetrachloro-m-xylene	0.442	0	*0.5*	0	*88.4*	*20-104*	0.448	*1.35*	*20*	

The following samples were analyzed in this batch:

1608892-01A	1608892-02A	1608892-03A
1608892-04A	1608892-05A	1608892-06A
1608892-07A	1608892-08A	1608892-09A
1608892-10A	1608892-11A	1608892-12A
1608892-13A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: PBS
Project: SVEC; 41373.000
WorkOrder: **1608892**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ED_004522_00089866-00285

ALS Environmental

Sample Receipt Checklist

Client Name: **PBS-SEATTLE** Date/Time Received: **25-Aug-16 09:58**

Work Order: **1608892** Received by: **SNH**

Checklist completed by: StephanieHarrington 25-Aug-16 Reviewed by: ShawnSmyth 25-Aug-16
eSignature Date eSignature Date

Matrices:
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Environmental

01-Sep-2016

Gregg Middaugh
PBS
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Tel: (206) 255-4659
Fax:

Re: SVEC; 41373.000 Work Order: **16081052**

Dear Gregg,

ALS Environmental received 21 samples on 30-Aug-2016 10:15 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 28.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

ED_004522_00089866-00287

ALS Environmental

Date: 01-Sep-16

Client: PBS
Project: SVEC; 41373.000
Work Order: **16081052**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
16081052-01	41373-2027	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-02	41373-2028	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-03	41373-2029	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-04	41373-2030	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-05	41373-2031	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-06	41373-2032	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-07	41373-2033	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-08	41373-2034	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-09	41373-2035	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-10	41373-2036	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-11	41373-2037	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-12	41373-2038	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-13	41373-2039	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-14	41373-2040	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-15	41373-2041	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-16	41373-2042	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-17	41373-2043	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-18	41373-2044	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-19	41373-2045	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-20	41373-2046	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐
16081052-21	41373-2047	Wipe		8/29/2016 12:00	8/30/2016 10:15	☐

ED_004522_00089866-00288

ALS Environmental *Date: 01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Work Order: 16081052

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ED_004522_00089866-00289

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2027
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-01
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2028
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-02
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2029
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-03
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2030
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-04
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2031
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-05
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2032
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-06
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2033
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-07
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2034
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-08
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2035
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-09
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2036
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-10
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2037
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-11
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2038
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-12
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2039
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-13
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2040
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-14
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	**3.4**	**1.0**	**0.034**	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2041
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-15
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2042
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-16
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2043
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-17
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2044
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-18
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2045
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-19
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2046
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-20
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **0 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	NA	
Aroclor 1221	ND	1.0	NA	
Aroclor 1232	ND	1.0	NA	
Aroclor 1242	ND	1.0	NA	
Aroclor 1248	ND	1.0	NA	
Aroclor 1254	ND	1.0	NA	
Aroclor 1260	ND	1.0	NA	
Aroclor 1262	ND	1.0	NA	
Aroclor 1268	ND	1.0	NA	

Note:

ALS Environmental

Date: *01-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2047
Collection Date: 8/29/2016 12:00 PM

Work Order: 16081052
Lab ID: 16081052-21
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **0 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	NA	
Aroclor 1221	ND	1.0	NA	
Aroclor 1232	ND	1.0	NA	
Aroclor 1242	ND	1.0	NA	
Aroclor 1248	ND	1.0	NA	
Aroclor 1254	ND	1.0	NA	
Aroclor 1260	ND	1.0	NA	
Aroclor 1262	ND	1.0	NA	
Aroclor 1268	ND	1.0	NA	

Note:

QC BATCH REPORT

Batch ID: **38063** Instrument ID: **GC3** Method: **SW8082**

MBLK Sample ID: **MBLK-38063-38063** Units: **µg/sample** Analysis Date: **9/1/2016**

Client ID: Run ID: **GC3_160901A** SeqNo: **1347827** Prep Date: **8/31/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Aroclor 1262	ND	1.0								
Aroclor 1268	ND	1.0								
Surr: Decachlorobiphenyl	0.437	0	*0.5*	0	*87.4*	*6.99-104*	0			
Surr: Tetrachloro-m-xylene	0.41	0	*0.5*	0	*82*	*20-104*	0			

LCS Sample ID: **LCS-38063-38063** Units: **µg/sample** Analysis Date: **9/1/2016**

Client ID: Run ID: **GC3_160901A** SeqNo: **1347828** Prep Date: **8/31/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	9.034	1.0	10	0	90.3	38.1-135	0			
Surr: Decachlorobiphenyl	0.455	0	*0.5*	0	*91*	*6.99-104*	0			
Surr: Tetrachloro-m-xylene	0.434	0	*0.5*	0	*86.8*	*20-104*	0			

LCSD Sample ID: **LCSD-38063-38063** Units: **µg/sample** Analysis Date: **9/1/2016**

Client ID: Run ID: **GC3_160901A** SeqNo: **1347849** Prep Date: **8/31/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	9.801	1.0	10	0	98	38.1-135	9.034	8.14	20	
Surr: Decachlorobiphenyl	0.48	0	*0.5*	0	*96*	*6.99-104*	0.455	*5.35*	*20*	
Surr: Tetrachloro-m-xylene	0.457	0	*0.5*	0	*91.4*	*20-104*	0.434	*5.16*	*20*	

The following samples were analyzed in this batch:

16081052-01A	16081052-02A	16081052-03A
16081052-04A	16081052-05A	16081052-06A
16081052-07A	16081052-08A	16081052-09A
16081052-10A	16081052-11A	16081052-12A
16081052-13A	16081052-14A	16081052-15A
16081052-16A	16081052-17A	16081052-18A
16081052-19A	16081052-20A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: PBS
Work Order: 16081052
Project: SVEC; 41373.000

QC BATCH REPORT

Batch ID: **38064** Instrument ID: **GC3** Method: **SW8082**

MBLK Sample ID: **MBLK-38064-38064** Units: **µg/sample** Analysis Date: **9/1/2016**
Client ID: Run ID: **GC3_160901B** SeqNo: **1348040** Prep Date: **8/31/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Aroclor 1262	ND	1.0								
Aroclor 1268	ND	1.0								
Surr: Decachlorobiphenyl	0.558	0	*0.5*	0	*112*	*6.99-104*	0			S
Surr: Tetrachloro-m-xylene	0.524	0	*0.5*	0	*105*	*20-104*	0			S

LCS Sample ID: **LCS-38064-38064** Units: **µg/sample** Analysis Date: **9/1/2016**
Client ID: Run ID: **GC3_160901B** SeqNo: **1348041** Prep Date: **8/31/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	10.73	1.0	10	0	107	38.1-135	0			
Surr: Decachlorobiphenyl	0.563	0	*0.5*	0	*113*	*6.99-104*	0			S
Surr: Tetrachloro-m-xylene	0.526	0	*0.5*	0	*105*	*20-104*	0			S

LCSD Sample ID: **LCSD-38064-38064** Units: **µg/sample** Analysis Date: **9/1/2016**
Client ID: Run ID: **GC3_160901B** SeqNo: **1348052** Prep Date: **8/31/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	8.952	1.0	10	0	89.5	38.1-135	10.73	18.1	20	
Surr: Decachlorobiphenyl	0.447	0	*0.5*	0	*89.4*	*6.99-104*	0.563	*23*	*20*	R
Surr: Tetrachloro-m-xylene	0.413	0	*0.5*	0	*82.6*	*20-104*	0.526	*24.1*	*20*	R

The following samples were analyzed in this batch: 16081052-21A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: PBS
Project: SVEC; 41373.000
WorkOrder: **16081052**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ED_004522_00089866-00313

ALS Environmental

Sample Receipt Checklist

Client Name: **PBS-SEATTLE** Date/Time Received: **30-Aug-16 10:15**

Work Order: **16081052** Received by: **CEG**

Checklist completed by: R doN ieman 30-Aug-16 Reviewed by: S hawn S myth 31-Aug-16
eSignature Date eSignature Date

Matrices:
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	6.8		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Environmental

02-Sep-2016

Gregg Middaugh
PBS
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Tel: (206) 255-4659
Fax:

Re: SVEC; 41373.000 Work Order: **16081107**

Dear Gregg,

ALS Environmental received 9 samples on 31-Aug-2016 09:18 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 15.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

ALS Environmental

Date: 02-Sep-16

Client: PBS
Project: SVEC; 41373.000
Work Order: **16081107**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
16081107-01	41373-2048	Wipe		8/30/2016	8/31/2016	☐
16081107-02	41373-2049	Wipe		8/30/2016	8/31/2016	☐
16081107-03	41373-2050	Wipe		8/30/2016	8/31/2016	☐
16081107-04	41373-2051	Wipe		8/30/2016	8/31/2016	☐
16081107-05	41373-2052	Wipe		8/30/2016	8/31/2016	☐
16081107-06	41373-2053	Wipe		8/30/2016	8/31/2016	☐
16081107-07	41373-2054	Wipe		8/30/2016	8/31/2016	☐
16081107-08	41373-2055	Wipe		8/30/2016	8/31/2016	☐
16081107-09	41373-2056	Wipe		8/30/2016	8/31/2016	☐

ED_004522_00089866-00316

ALS Environmental *Date: 02-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Work Order: 16081107

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ED_004522_00089866-00317

ALS Environmental

Date: *02-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2048
Collection Date: 8/30/2016

Work Order: 16081107
Lab ID: 16081107-01
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *02-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2049
Collection Date: 8/30/2016

Work Order: 16081107
Lab ID: 16081107-02
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *02-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2050
Collection Date: 8/30/2016

Work Order: 16081107
Lab ID: 16081107-03
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *02-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2051
Collection Date: 8/30/2016

Work Order: 16081107
Lab ID: 16081107-04
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ED_004522_00089866-00321

ALS Environmental

Date: *02-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2052
Collection Date: 8/30/2016

Work Order: 16081107
Lab ID: 16081107-05
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *02-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2053
Collection Date: 8/30/2016

Work Order: 16081107
Lab ID: 16081107-06
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *02-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2054
Collection Date: 8/30/2016

Work Order: 16081107
Lab ID: 16081107-07
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *02-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2055
Collection Date: 8/30/2016

Work Order: 16081107
Lab ID: 16081107-08
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **0 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	NA	
Aroclor 1221	ND	1.0	NA	
Aroclor 1232	ND	1.0	NA	
Aroclor 1242	ND	1.0	NA	
Aroclor 1248	ND	1.0	NA	
Aroclor 1254	ND	1.0	NA	
Aroclor 1260	ND	1.0	NA	
Aroclor 1262	ND	1.0	NA	
Aroclor 1268	ND	1.0	NA	

Note:

ALS Environmental

Date: *02-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2056
Collection Date: 8/30/2016

Work Order: 16081107
Lab ID: 16081107-09
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **0 cm2**	Analyst: **JEA**
Date Analyzed: 9/1/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	NA	
Aroclor 1221	ND	1.0	NA	
Aroclor 1232	ND	1.0	NA	
Aroclor 1242	ND	1.0	NA	
Aroclor 1248	ND	1.0	NA	
Aroclor 1254	ND	1.0	NA	
Aroclor 1260	ND	1.0	NA	
Aroclor 1262	ND	1.0	NA	
Aroclor 1268	ND	1.0	NA	

Note:

ALS Environmental

Date: 02-Sep-16

Client: PBS

Work Order: 16081107

Project: SVEC; 41373.000

QC BATCH REPORT

Batch ID: **38064** Instrument ID: **GC3** Method: **SW8082**

MBLK Sample ID: **MBLK-38064-38064** Units: **µg/sample** Analysis Date: **9/1/2016**

Client ID: Run ID: **GC3_160901B** SeqNo: **1348040** Prep Date: **8/31/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Aroclor 1262	ND	1.0								
Aroclor 1268	ND	1.0								
Surr: Decachlorobiphenyl	0.558	0	*0.5*	0	*112*	*6.99-104*	0			S
Surr: Tetrachloro-m-xylene	0.524	0	*0.5*	0	*105*	*20-104*	0			S

LCS Sample ID: **LCS-38064-38064** Units: **µg/sample** Analysis Date: **9/1/2016**

Client ID: Run ID: **GC3_160901B** SeqNo: **1348041** Prep Date: **8/31/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	10.73	1.0	10	0	107	38.1-135	0			
Surr: Decachlorobiphenyl	0.563	0	*0.5*	0	*113*	*6.99-104*	0			S
Surr: Tetrachloro-m-xylene	0.526	0	*0.5*	0	*105*	*20-104*	0			S

LCSD Sample ID: **LCSD-38064-38064** Units: **µg/sample** Analysis Date: **9/1/2016**

Client ID: Run ID: **GC3_160901B** SeqNo: **1348052** Prep Date: **8/31/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	8.952	1.0	10	0	89.5	38.1-135	10.73	18.1	20	
Surr: Decachlorobiphenyl	0.447	0	*0.5*	0	*89.4*	*6.99-104*	0.563	*23*	*20*	R
Surr: Tetrachloro-m-xylene	0.413	0	*0.5*	0	*82.6*	*20-104*	0.526	*24.1*	*20*	R

The following samples were analyzed in this batch:

16081107-01A	16081107-02A	16081107-03A
16081107-04A	16081107-05A	16081107-06A
16081107-07A	16081107-08A	16081107-09A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: PBS
Project: SVEC; 41373.000
WorkOrder: 16081107

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ED_004522_00089866-00328

ALS Environmental

Sample Receipt Checklist

Client Name: **PBS-SEATTLE** Date/Time Received: **31-Aug-16 09:18**

Work Order: **16081107** Received by: **JNW**

Checklist completed by: StephanieHarrington 31-Aug-16 Reviewed by: ShawnSmyth 31-Aug-16
eSignature Date eSignature Date

Matrices:
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Environmental

07-Sep-2016

Gregg Middaugh
PBS
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Tel: (206) 255-4659
Fax:

Re: SVEC; 41373.000 Work Order: **1609094**

Dear Gregg,

ALS Environmental received 37 samples on 06-Sep-2016 09:44 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 44.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

ALS Environmental

Date: 07-Sep-16

Client: PBS
Project: SVEC; 41373.000
Work Order: 1609094

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1609094-01	41373-2057	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-02	41373-2058	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-03	41373-2059	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-04	41373-2060	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-05	41373-2061	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-06	41373-2062	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-07	41373-2063	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-08	41373-2064	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-09	41373-2065	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-10	41373-2066	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-11	41373-2067	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-12	41373-2068	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-13	41373-2069	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-14	41373-2070	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-15	41373-2071	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-16	41373-2072	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-17	41373-2073	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-18	41373-2074	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-19	41373-2075	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-20	41373-2076	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-21	41373-2077	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-22	41373-2078	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-23	41373-2079	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-24	41373-2080	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-25	41373-2081	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-26	41373-2082	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-27	41373-2083	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-28	41373-2084	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-29	41373-2085	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-30	41373-2086	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-31	41373-2087	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-32	41373-2088	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-33	41373-2089	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-34	41373-2090	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-35	41373-2091	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-36	41373-2092	Wipe		9/1/2016	9/6/2016 09:44	☐
1609094-37	41373-2093	Wipe		9/1/2016	9/6/2016 09:44	☐

ED_004522_00089866-00331

ALS Environmental *Date: 07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Work Order: 1609094

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

Sample jar for number 41373-2065 was received broken. The sample was transferred into a new jar and analyzed per client request.

ED_004522_00089866-00332

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2057
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-01
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	**1.3**	**1.0**	**0.013**	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2058
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-02
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2059
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-03
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2060
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-04
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	**12**	**1.0**	**0.12**	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2061
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-05
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2062
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-06
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2063
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-07
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2064
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-08
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2065
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-09
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2066
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-10
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2067
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-11
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2068
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-12
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ED_004522_00089866-00344

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2069
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-13
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	**5.4**	**1.0**	**0.054**	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2070
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-14
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2071
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-15
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2072
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-16
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2073
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-17
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2074
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-18
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2075
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-19
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2076
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-20
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2077
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-21
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2078
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-22
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	**8.0**	**1.0**	**0.080**	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2079
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-23
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ED_004522_00089866-00355

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2080
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-24
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ED_004522_00089866-00356

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2081
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-25
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2082
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-26
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ED_004522_00089866-00358

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2083
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-27
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ED_004522_00089866-00359

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2084
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-28
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2085
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-29
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	**7.2**	**1.0**	**0.072**	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2086
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-30
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2087
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-31
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	**1.9**	**1.0**	**0.019**	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2088
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-32
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	**13**	**1.0**	**0.13**	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2089
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-33
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2090
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-34
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ED_004522_00089866-00366

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2091
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-35
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	**2.8**	**1.0**	**0.028**	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2092
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-36
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ED_004522_00089866-00368

ALS Environmental

Date: *07-Sep-16*

Client: PBS
Project: SVEC; 41373.000
Sample ID: 41373-2093
Collection Date: 9/1/2016

Work Order: 1609094
Lab ID: 1609094-37
Matrix: WIPE

Analytical Results

Analyses

PCBS WIPE		Method: **SW8082**	Area **100 cm2**	Analyst: **JEA**
Date Analyzed: 9/6/2016	µg/sample	Reporting Limit µg/sample	ug/cm2	
Aroclor 1016	ND	1.0	<0.010	
Aroclor 1221	ND	1.0	<0.010	
Aroclor 1232	ND	1.0	<0.010	
Aroclor 1242	ND	1.0	<0.010	
Aroclor 1248	ND	1.0	<0.010	
Aroclor 1254	ND	1.0	<0.010	
Aroclor 1260	ND	1.0	<0.010	
Aroclor 1262	ND	1.0	<0.010	
Aroclor 1268	ND	1.0	<0.010	

Note:

ED_004522_00089866-00369

QC BATCH REPORT

Batch ID: **38158** Instrument ID: **GC3** Method: **SW8082**

MBLK Sample ID: **MBLK-38158-38158** Units: **µg/sample** Analysis Date: **9/6/2016**

Client ID: Run ID: **GC3_160906B** SeqNo: **1350119** Prep Date: **9/6/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Aroclor 1262	ND	1.0								
Aroclor 1268	ND	1.0								
Surr: Decachlorobiphenyl	0.405	0	*1*	0	*40.5*	*6.99-104*	0			
Surr: Tetrachloro-m-xylene	0.446	0	*1*	0	*44.6*	*20-104*	0			

LCS Sample ID: **LCS-38158-38158** Units: **µg/sample** Analysis Date: **9/6/2016**

Client ID: Run ID: **GC3_160906B** SeqNo: **1350120** Prep Date: **9/6/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	8.397	1.0	10	0	84	38.1-135	0			
Surr: Decachlorobiphenyl	0.418	0	*1*	0	*41.8*	*6.99-104*	0			
Surr: Tetrachloro-m-xylene	0.467	0	*1*	0	*46.7*	*20-104*	0			

LCSD Sample ID: **LCSD-38158-38158** Units: **µg/sample** Analysis Date: **9/6/2016**

Client ID: Run ID: **GC3_160906B** SeqNo: **1350160** Prep Date: **9/6/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	8.262	1.0	10	0	82.6	38.1-135	8.397	1.62	20	
Surr: Decachlorobiphenyl	0.429	0	*1*	0	*42.9*	*6.99-104*	0.418	*2.6*	*20*	
Surr: Tetrachloro-m-xylene	0.441	0	*1*	0	*44.1*	*20-104*	0.467	*5.73*	*20*	

The following samples were analyzed in this batch:

1609094-01A	1609094-02A	1609094-03A
1609094-04A	1609094-05A	1609094-06A
1609094-07A	1609094-08A	1609094-09A
1609094-10A	1609094-11A	1609094-12A
1609094-13A	1609094-14A	1609094-15A
1609094-16A	1609094-17A	1609094-18A
1609094-19A	1609094-20A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: PBS
Work Order: 1609094
Project: SVEC; 41373.000

QC BATCH REPORT

Batch ID: **38159** Instrument ID: **GC3** Method: **SW8082**

MBLK Sample ID: **MBLK-38159-38159** Units: **µg/sample** Analysis Date: **9/6/2016**
Client ID: Run ID: **GC3_160906C** SeqNo: **1350141** Prep Date: **9/6/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Aroclor 1262	ND	1.0								
Aroclor 1268	ND	1.0								
Surr: Decachlorobiphenyl	0.407	0	*1*	0	*40.7*	*6.99-104*	0			
Surr: Tetrachloro-m-xylene	0.421	0	*1*	0	*42.1*	*20-104*	0			

LCS Sample ID: **LCS-38159-38159** Units: **µg/sample** Analysis Date: **9/6/2016**
Client ID: Run ID: **GC3_160906C** SeqNo: **1350142** Prep Date: **9/6/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	8.021	1.0	10	0	80.2	38.1-135	0			
Surr: Decachlorobiphenyl	0.387	0	*1*	0	*38.7*	*6.99-104*	0			
Surr: Tetrachloro-m-xylene	0.426	0	*1*	0	*42.6*	*20-104*	0			

LCSD Sample ID: **LCSD-38159-38159** Units: **µg/sample** Analysis Date: **9/6/2016**
Client ID: Run ID: **GC3_160906C** SeqNo: **1350182** Prep Date: **9/6/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	7.929	1.0	10	0	79.3	38.1-135	8.021	1.15	20	
Surr: Decachlorobiphenyl	0.395	0	*1*	0	*39.5*	*6.99-104*	0.387	*2.05*	*20*	
Surr: Tetrachloro-m-xylene	0.413	0	*1*	0	*41.3*	*20-104*	0.426	*3.1*	*20*	

The following samples were analyzed in this batch:

1609094-21A	1609094-22A	1609094-23A
1609094-24A	1609094-25A	1609094-26A
1609094-27A	1609094-28A	1609094-29A
1609094-30A	1609094-31A	1609094-32A
1609094-33A	1609094-34A	1609094-35A
1609094-36A	1609094-37A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: PBS
Project: SVEC; 41373.000
WorkOrder: 1609094

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ED_004522_00089866-00372

ALS Environmental

Sample Receipt Checklist

Client Name: **PBS-SEATTLE** Date/Time Received: **06-Sep-16 09:44**

Work Order: **1609094** Received by: **SNH**

Checklist completed by: StephanieHarrington 06-Sep-16 Reviewed by: ShawnSmyth 07-Sep-16
eSignature Date eSignature Date

Matrices:
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	26.1		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 9, 2016

Gregg Middaugh
PBS Engineering & Environmental
2517 Eastlake Avenue E., Suite 100
Seattle, WA 98102

Re: Analytical Data for Project 41373.000
Laboratory Reference No. 1609-093

Dear Gregg:

Enclosed are the analytical results and associated quality control data for samples submitted on September 9, 2016.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 9, 2016
Samples Submitted: September 9, 2016
Laboratory Reference: 1609-093
Project: 41373.000

Case Narrative

Samples were collected on September 9, 2016 and received by the laboratory on September 9, 2016. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 9, 2016
Samples Submitted: September 9, 2016
Laboratory Reference: 1609-093
Project: 41373.000

PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**41373-2094**					
Laboratory ID:	09-093-01					
Aroclor 1016	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*76*	*64-130*				
Client ID:	**41373-2095**					
Laboratory ID:	09-093-02					
Aroclor 1016	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*86*	*64-130*				
Client ID:	**41373-2096**					
Laboratory ID:	09-093-03					
Aroclor 1016	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*64-130*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 9, 2016
Samples Submitted: September 9, 2016
Laboratory Reference: 1609-093
Project: 41373.000

PCBs
EPA 8082A

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**41373-2097**					
Laboratory ID:	09-093-04					
Aroclor 1016	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*76*	*64-130*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 9, 2016
Samples Submitted: September 9, 2016
Laboratory Reference: 1609-093
Project: 41373.000

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Wipe
Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0909P1					
Aroclor 1016	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1221	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1232	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1242	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1248	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1254	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Aroclor 1260	**ND**	2.0	EPA 8082A	9-9-16	9-9-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*92*	*64-130*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0909P1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**23.2**	**23.2**	20.0	20.0	N/A	**116**	**116**	71-159	0	15	
Surrogate:											
DCB						*98*	*98*	*64-130*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 09-093

Company: PBS Engineering & Environmental
Project Number: 41373.000
Project Name: Sky Valley Ed Ctr.
Project Manager: Greg Middaugh
Sampled by: Cel Alvarez

Turnaround Request (in working days)
(Check One)
- [X] Same Day
- [ ] 1 Day
- [ ] 2 Days
- [ ] 3 Days
- [ ] Standard (7 Days) (TPH analysis 5 Days)
- [X] ASAP (other)

Lab ID	Sample Identification	Location	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	PCB				% Moisture
1	41373 - 2094	Admin Ext. SE	9/9/16	6:30	Wipe	1																		X				
2	2095	Small Gym Int. Door	↓	↓	↓	1																		X				
3	2096	Blank				1																		X				
4	2097	Blank				1																		X				

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		PBS	9/9/16	7:31	email: cel.alvarez@pbsenv.com
Received		OSE	9.9.16	7:31A	
Relinquished					
Received					
Relinquished					
Received					Data Package: Standard ☐ Level III ☐ Level IV ☐
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

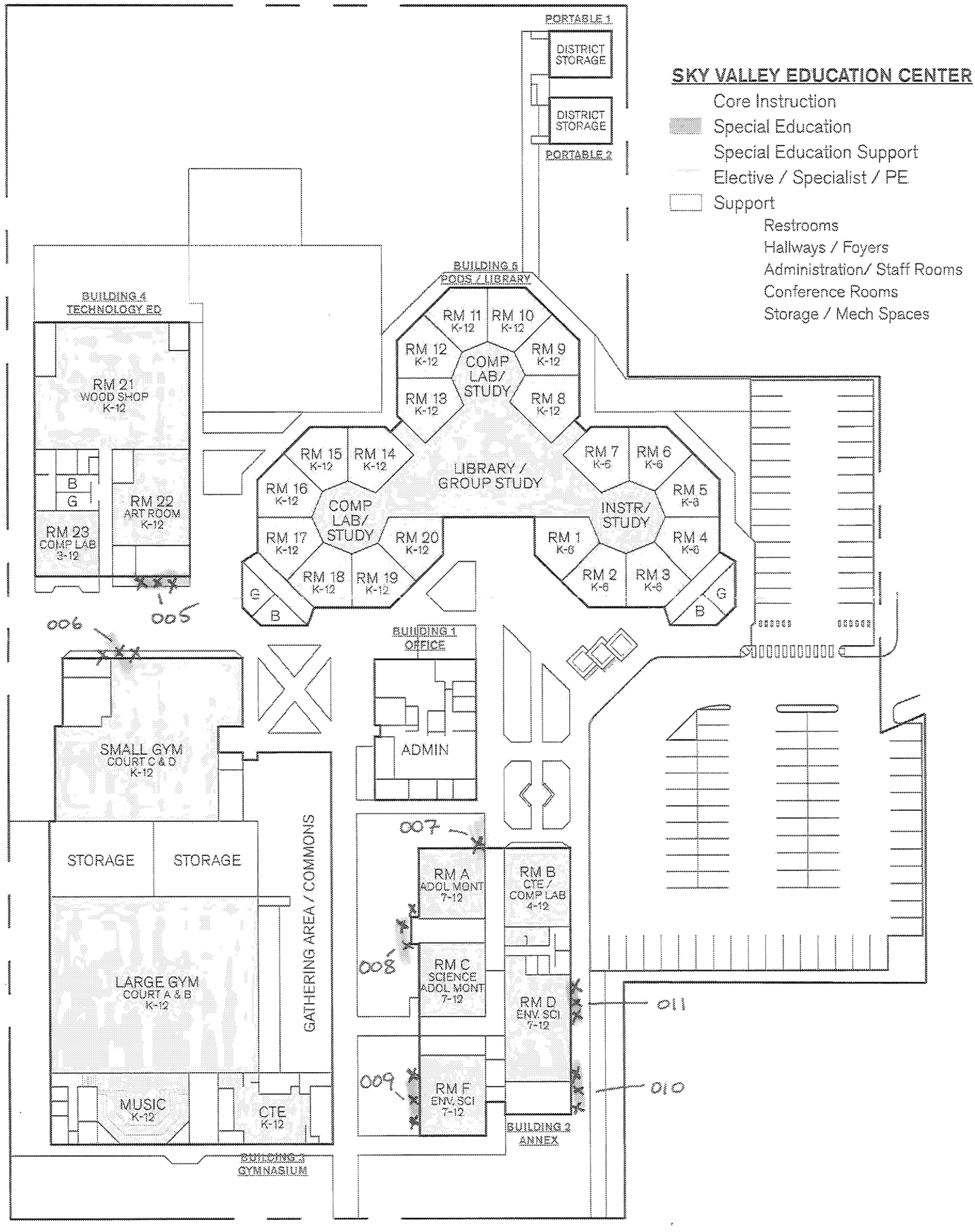
ED_004522_00089866-00380

TAB 6
PCB Soil Sample Lab Reports
Sample Location Field Drawings

PBS ENG + ENV.

PRE-ABATEMENT

PCB SOIL SAMPLES 6/6/16



ED_004522_00089866-00382

June 24, 2016

Mr. Gregg Middaugh
PBS Environmental
2517 Eastlake Ave. E., Suite 100
Seattle, WA 98102

Dear Mr. Middaugh,

On June 22nd, 7 samples were received by our laboratory and assigned our laboratory project number EV16060145. The project was identified as your 41373.000. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
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CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060145 EV16060145-01
CLIENT CONTACT:	Gregg Middaugh	DATE RECEIVED:	06/22/2016
CLIENT PROJECT:	41373.000	COLLECTION DATE:	6/6/2016 3:00:00 PM
CLIENT SAMPLE ID	005-PCB-SOIL	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**86.0**	06/23/2016	GAP
DCB	EPA-8082	**85.0**	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060145 EV16060145-02
CLIENT CONTACT:	Gregg Middaugh	DATE RECEIVED:	06/22/2016
CLIENT PROJECT:	41373.000	COLLECTION DATE:	6/6/2016 3:00:00 PM
CLIENT SAMPLE ID	006-PCB-SOIL	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**82.0**	06/23/2016	GAP
DCB	EPA-8082	**82.0**	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060145 EV16060145-03
CLIENT CONTACT:	Gregg Middaugh	DATE RECEIVED:	06/22/2016
CLIENT PROJECT:	41373.000	COLLECTION DATE:	6/6/2016 3:00:00 PM
CLIENT SAMPLE ID	007-PCB-SOIL	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1254	EPA-8082	**0.21**	0.10	1	MG/KG	06/23/2016	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**96.0**	06/23/2016	GAP
DCB	EPA-8082	**94.0**	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060145 EV16060145-04
CLIENT CONTACT:	Gregg Middaugh	DATE RECEIVED:	06/22/2016
CLIENT PROJECT:	41373.000	COLLECTION DATE:	6/6/2016 3:00:00 PM
CLIENT SAMPLE ID	008-PCB-SOIL	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**97.0**	06/23/2016	GAP
DCB	EPA-8082	**95.0**	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060145 EV16060145-05
CLIENT CONTACT:	Gregg Middaugh	DATE RECEIVED:	06/22/2016
CLIENT PROJECT:	41373.000	COLLECTION DATE:	6/6/2016 3:00:00 PM
CLIENT SAMPLE ID	009-PCB-SOIL	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**97.0**	06/23/2016	GAP
DCB	EPA-8082	**97.0**	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060145 EV16060145-06
CLIENT CONTACT:	Gregg Middaugh	DATE RECEIVED:	06/22/2016
CLIENT PROJECT:	41373.000	COLLECTION DATE:	6/6/2016 3:00:00 PM
CLIENT SAMPLE ID	010-PCB-SOIL	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**91.0**	06/23/2016	GAP
DCB	EPA-8082	**90.0**	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

www.alsglobal.com
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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060145 EV16060145-07
CLIENT CONTACT:	Gregg Middaugh	DATE RECEIVED:	06/22/2016
CLIENT PROJECT:	41373.000	COLLECTION DATE:	6/6/2016 3:00:00 PM
CLIENT SAMPLE ID	011-PCB-SOIL	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	**91.0**	06/23/2016	GAP
DCB	EPA-8082	**84.0**	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE: ALS SDG#: WDOE ACCREDITATION:	6/24/2016 EV16060145 C601
CLIENT CONTACT:	Gregg Middaugh		
CLIENT PROJECT:	41373.000		

LABORATORY BLANK RESULTS

MBLK-276977 - Batch R276977 - Soil by EPA-8082

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP
PCB-1221	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP
PCB-1232	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP
PCB-1242	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP
PCB-1248	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP
PCB-1254	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP
PCB-1260	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP
PCB-1268	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE: ALS SDG#: WDOE ACCREDITATION:	6/24/2016 EV16060145 C601
CLIENT CONTACT:	Gregg Middaugh		
CLIENT PROJECT:	41373.000		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: R276977 - Soil by EPA-8082

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
PCB-1016 - BS	EPA-8082	**90.0**			50	150	06/23/2016	GAP
PCB-1016 - BSD	EPA-8082	**93.0**	3		50	150	06/23/2016	GAP
PCB-1260 - BS	EPA-8082	**113**			50	150	06/23/2016	GAP
PCB-1260 - BSD	EPA-8082	**117**	3		50	150	06/23/2016	GAP

APPROVED BY

Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

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EV1606014S
15959

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

☐ **REGULAR** Status

☐ **RUSH** Status Required - ADDITIONAL CHARGE

RESULTS REQUIRED BY _____ DATE

CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

STELLA HANIS
Project Manager

Date 6/20/16 Purchase Order No. 41373.000

Company Name PBS ENVIRONMENTAL

Address 2517 EASTLAKE AVE EAST

SEATTLE, WA 98102
City State Zip

Send Report To GREGG MIDDAUGH

Email Address GREGG.MIDDAUGH@PBSENV.COM

Telephone (206) ~~233-96~~ 255-4659

Fax Telephone ( ) _____

Billing Address (if different)
SAME

Quote No. _____

Sampling Site SKY VALLEY EC

Date/Time of Collection 6-6-16 3:00 pm for all

Project No. 41373.000

	Lab Use Only	Client Sample Number	Media Type	Sample Volume (Liters)	ANALYSES REQUESTED - Use Method Number if Known
1		005-PCB-SOIL	SOIL	—	PCB TECH RM -22
2		006-PCB-SOIL			GYM EAST ELE.
3		007-PCB-SOIL			ANNEX EAST ENTRY
4		008-PCB-SOIL			ANNEX RM C
5		009-PCB-SOIL			ANNEX RM F
6		010-PCB-SOIL			ANNEX SPCL. ED.
7		011-PCB-SOIL			ANNEX RM D

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY.*

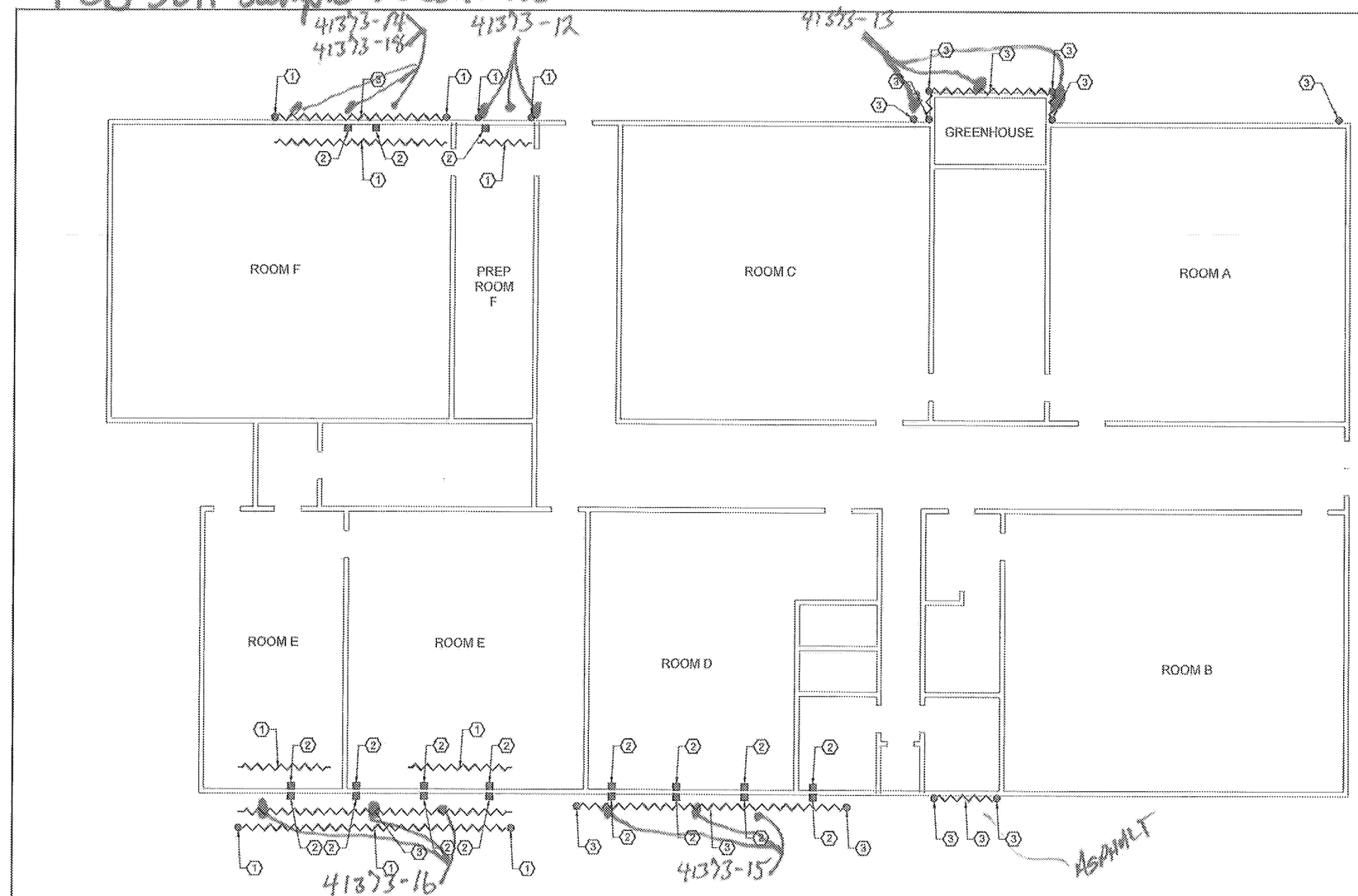
CHAIN OF CUSTODY

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
[signature]	6/22/16 10:45	Shawn Robeson ALS	6/20/16 10:45
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY					
COOLER TEMP:	°C	pH ADJUSTMENTS:			
COOLING METHOD:	NONE	COOLER	WET ICE	DRY ICE	ICE PACK

DELIVERY METHOD:	CLIENT	DROP BOX	FEDEX	UPS	
	STD MAIL	PRTY MAIL	ALS	COURIER	OTHER: _____
CUSTODY SEALS:	NONE	COOLER	PACKAGE	SAMPLES	
EQUIP. RETURNED:					

PCB Soil Sample Locations



ANNEX BUILDING
NOT TO SCALE

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
2. REMOVAL OF HAZARDOUS MATERIALS MAY COMPROMISE THE SECURITY OF THE SITE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINTAINING SITE SECURITY AND PUBLIC SAFETY THROUGHOUT THE PROJECT. SEE SPECIFICATIONS REGARDING SECURITY AND PUBLIC SAFETY.
3. ABATEMENT CONTRACTOR TO COORDINATE ALL ACTIVITIES WITH ALL OTHER ONSITE WORK INCLUDING, BUT NOT LIMITED TO: SCHEDULE, ACCESS, STAGING, ETC. ABATEMENT CONTRACTOR TO REPORT LOCATIONS AND QUANTITIES OF ALL HAZARDOUS MATERIALS TO BE REMOVED, TO THE OWNERS REPRESENTATIVE PRIOR TO ABATEMENT/DEMOLITION.
4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

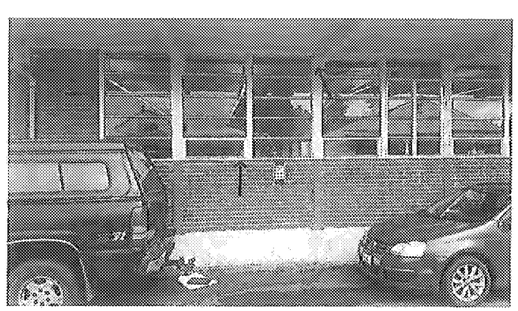
① REMOVE APPROX. 200 LF OF PCB-CONTAINING CAULKING LOCATED ON INTERIOR PERIMETER METAL WINDOW FRAME TRANSITIONS. THIS INCLUDES REMOVAL OF CAULKING WHICH EXISTS ON EXTERIOR METAL WINDOW FRAME TRANSITIONS ON THE NORTH AND SOUTH BUILDING ELEVATION WINDOWS AS SHOWN.

② REMOVE APPROX. 80 LF OF PCB-CONTAINING CAULKING ON WOOD CEILING/SOFFIT BEAMS AT PERIMETER WALL/CEILING TRANSITIONS IN ROOMS E, F AND PREP ROOM F AS SHOWN.

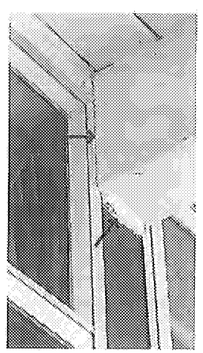
③ REMOVE APPROX. 300 LF OF PCB AND ASBESTOS-CONTAINING TAN CAULKING LOCATED ON VARIOUS VERTICAL AND HORIZONTAL METAL WINDOW FRAME TRANSITIONS ON THE NORTH AND SOUTH ELEVATIONS OF THE ANNEX BUILDING AS SHOWN.

LEGEND

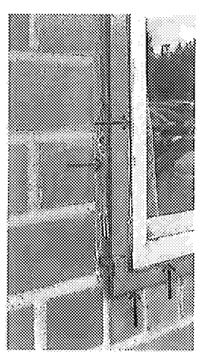
- VERTICAL CAULKING RUN
- CAULKING ON BEAM
- HORIZONTAL CAULKING RUN



①②③PHOTO DETAIL



②PHOTO DETAIL



①③PHOTO DETAIL

NOT TO SCALE

PBS
Engineering + Environmental
2517 Eastlake Ave East
Suite 100
Seattle, WA 98102
206.233.9639
www.pbsenv.com

MONROE SCHOOL DISTRICT

ANNEX BUILDING
CAULKING ABATEMENT PLAN

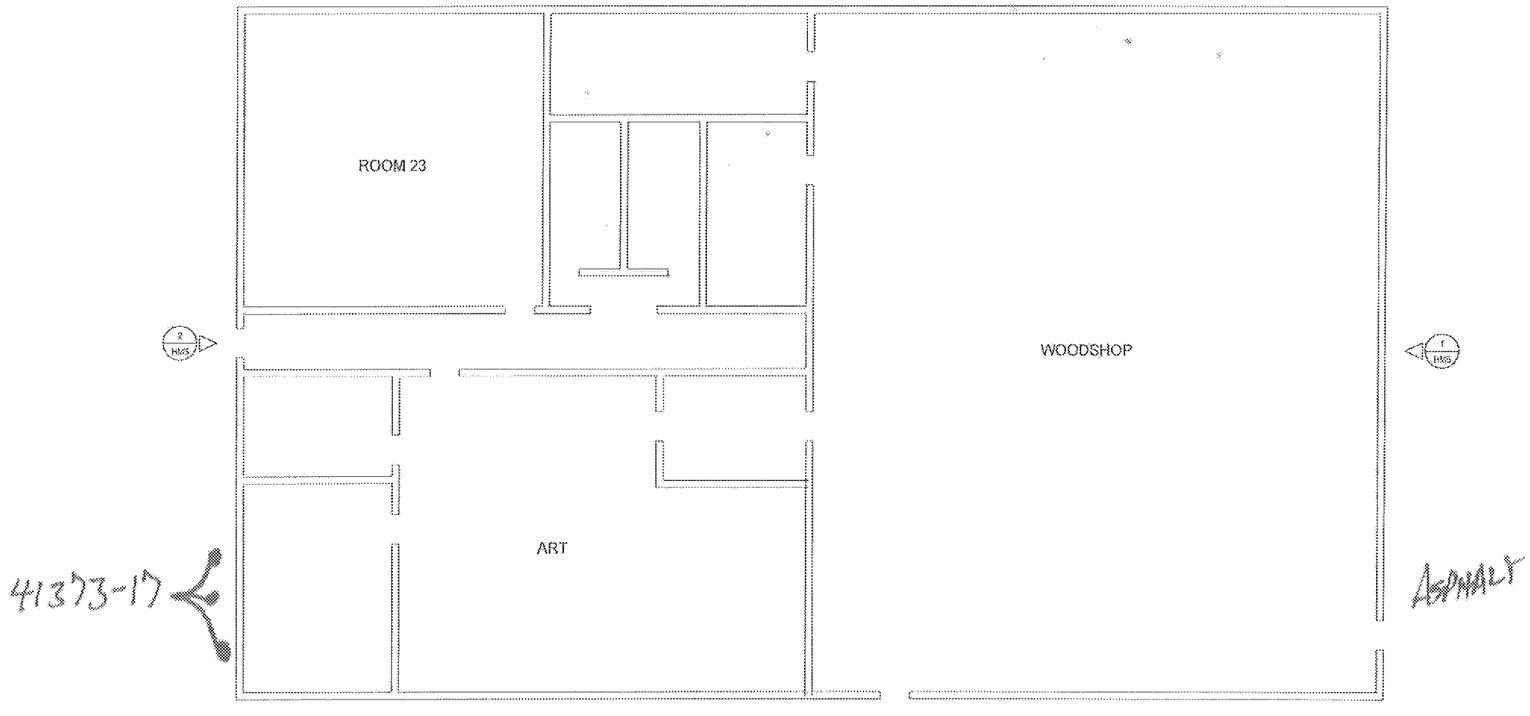
SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY
EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

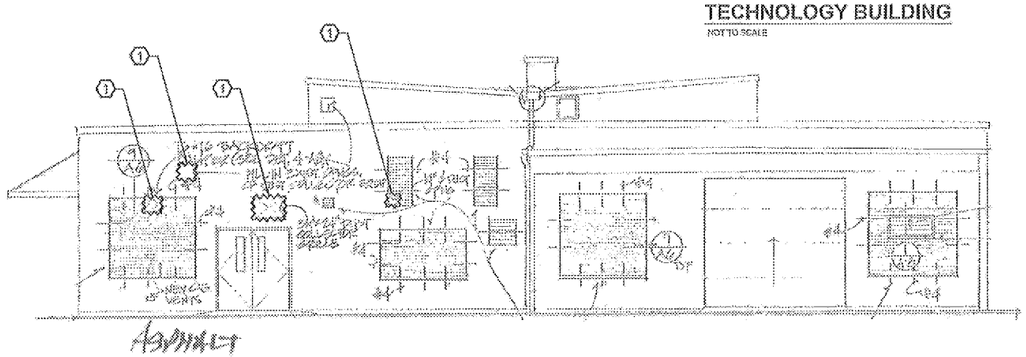
PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2018
DWG NO.	HM4
SHEET NO.	4 OF 5

ED_004522_00089866-00394

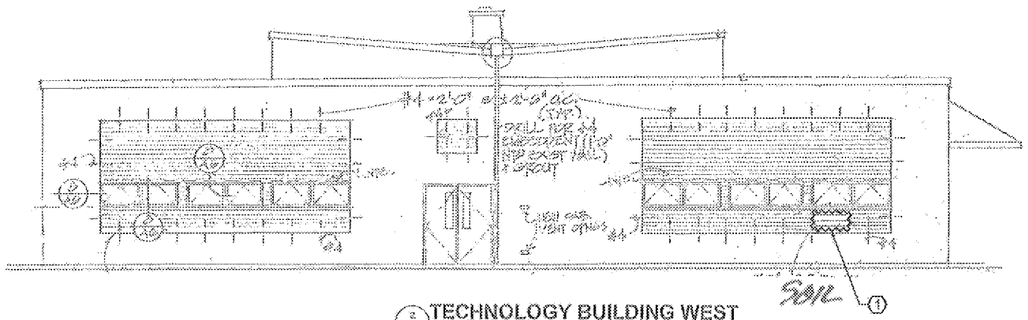
PCB Soil Sample Locations



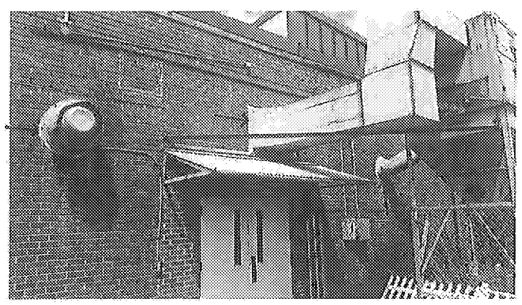
TECHNOLOGY BUILDING
NOT TO SCALE



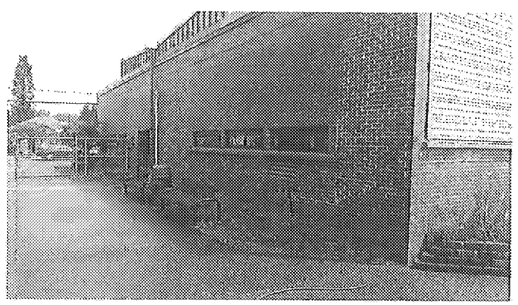
1 HM5 TECHNOLOGY BUILDING EAST
NOT TO SCALE



2 HM5 TECHNOLOGY BUILDING WEST
NOT TO SCALE



① PHOTO DETAIL



① PHOTO DETAIL

NOT TO SCALE

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
2. REMOVAL OF HAZARDOUS MATERIALS MAY COMPROMISE THE SECURITY OF THE SITE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINTAINING SITE SECURITY AND PUBLIC SAFETY THROUGHOUT THE PROJECT. SEE SPECIFICATIONS REGARDING SECURITY AND PUBLIC SAFETY.
3. ABATEMENT CONTRACTOR TO COORDINATE ALL ACTIVITIES WITH ALL OTHER ONSITE WORK INCLUDING, BUT NOT LIMITED TO: SCHEDULE, ACCESS, STAGING, ETC. ABATEMENT CONTRACTOR TO REPORT LOCATIONS AND QUANTITIES OF ALL HAZARDOUS MATERIALS TO BE REMOVED, TO THE OWNERS REPRESENTATIVE PRIOR TO ABATEMENT/DEMOLITION.
4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

KEY NOTES

① REMOVE APPROX. 60 LF OF PCB-CONTAINING CAULKING LOCATED ON EXTERIOR LOUVERS, VENTS AND DUCTING ON METAL TRANSITIONS ON THE WEST AND EAST EXTERIOR ELEVATIONS OF THE TECHNOLOGY BUILDING AS SHOWN.

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www.pbsenv.com

MONROE SCHOOL DISTRICT

TECHNOLOGY BUILDING
CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY
EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.009
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2018
DWG NO.	HM5
SHEET NO.	5 OF 5

ED_004522_00089866-00395

ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (800)-458-1493 or
(513) 733-5336
Fax: (513) 733-5347

ANALYTICAL REQUEST FORM

EV16060145
15959

☐ **REGULAR** Status

☐ **RUSH** Status Required - ADDITIONAL CHARGE

RESULTS REQUIRED BY _____ DATE

CONTACT ALS LABORATORY GROUP PRIOR TO SENDING SAMPLES

Date 6/20/16 Purchase Order No. 41373.000

Company Name PBS ENVIRONMENTAL

Address 2517 EASTLAKE AVE EAST

SEATTLE, WA 98102
City State Zip

Send Report To GREGG MIDDAUGH

Email Address GREGG.MIDDAUGH@PBSENV.COM

Telephone (206) ~~223-96~~ 255-4659

Fax Telephone (/)

Billing Address (if different)
SAME

Quote No.

Sampling Site SKY VALLEY EC

Date/Time of Collection 6-6-16

Project No. 41373.000

Lab Use Only	Client Sample Number	Media Type	Sample Volume (Liters)	ANALYSES REQUESTED - Use Method Number if Known
	005-PCB-SOIL	SOIL	—	PCB TECH RM 005
	006-PCB-SOIL	↓	↓	↓ GYM EAST ELE.
	007-PCB-SOIL	↓	↓	↓ ANNEX EAST ENTRY
	008-PCB-SOIL	↓	↓	↓ ANNEX RM C
	009-PCB-SOIL	↓	↓	↓ ANNEX RM F
	010-PCB-SOIL	↓	↓	↓ ANNEX SPCL. ED.
	011-PCB-SOIL	↓	↓	↓ ANNEX RM D
	* PRE-ABATEMENT SOIL SAMPLES			

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

CHAIN OF CUSTODY

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
[signature]	6/22/16 10:45	Shawn Robinson ALS	6/22/16 10:45
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time

ALS LAB USE ONLY		DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER:
COOLER TEMP: °C	pH ADJUSTMENTS:	CUSTODY SEALS: NONE COOLER PACKAGE SAMPLES
COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK		EQUIP. RETURNED:

June 24, 2016

Mr. Gregg Middaugh
PBS Environmental
2517 Eastlake Ave. E., Suite 100
Seattle, WA 98102

Dear Mr. Middaugh,

On June 22nd, 7 samples were received by our laboratory and assigned our laboratory project number EV16060145. The project was identified as your 41373.000. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

ED_004522_00089866-00397

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE:	6/24/2016
		ALS JOB#:	EV16060145
		ALS SAMPLE#:	EV16060145-01
CLIENT CONTACT:	Gregg Middaugh	DATE RECEIVED:	06/22/2016
CLIENT PROJECT:	41373.000	COLLECTION DATE:	6/6/2016 3:00:00 PM
CLIENT SAMPLE ID	005-PCB-SOIL	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	86.0	06/23/2016	GAP
DCB	EPA-8082	85.0	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Group USA, Corp dba ALS Environmental

Environmental www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE:	6/24/2016
		ALS JOB#:	EV16060145
		ALS SAMPLE#:	EV16060145-02
CLIENT CONTACT:	Gregg Middaugh	DATE RECEIVED:	06/22/2016
CLIENT PROJECT:	41373.000	COLLECTION DATE:	6/6/2016 3:00:00 PM
CLIENT SAMPLE ID	006-PCB-SOIL	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	82.0	06/23/2016	GAP
DCB	EPA-8082	82.0	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

www.alsglobal.com
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ED_004522_00089866-00399

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060145 EV16060145-03
CLIENT CONTACT:	Gregg Middaugh	DATE RECEIVED:	06/22/2016
CLIENT PROJECT:	41373.000	COLLECTION DATE:	6/6/2016 3:00:00 PM
CLIENT SAMPLE ID	007-PCB-SOIL	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1254	EPA-8082	0.21	0.10	1	MG/KG	06/23/2016	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	96.0	06/23/2016	GAP
DCB	EPA-8082	94.0	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060145 EV16060145-04
CLIENT CONTACT:	Gregg Middaugh	DATE RECEIVED:	06/22/2016
CLIENT PROJECT:	41373.000	COLLECTION DATE:	6/6/2016 3:00:00 PM
CLIENT SAMPLE ID	008-PCB-SOIL	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	97.0	06/23/2016	GAP
DCB	EPA-8082	95.0	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060145 EV16060145-05
CLIENT CONTACT:	Gregg Middaugh	DATE RECEIVED:	06/22/2016
CLIENT PROJECT:	41373.000	COLLECTION DATE:	6/6/2016 3:00:00 PM
CLIENT SAMPLE ID	009-PCB-SOIL	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	97.0	06/23/2016	GAP
DCB	EPA-8082	97.0	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE: ALS JOB#: ALS SAMPLE#:	6/24/2016 EV16060145 EV16060145-06
CLIENT CONTACT:	Gregg Middaugh	DATE RECEIVED:	06/22/2016
CLIENT PROJECT:	41373.000	COLLECTION DATE:	6/6/2016 3:00:00 PM
CLIENT SAMPLE ID	010-PCB-SOIL	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	91.0	06/23/2016	GAP
DCB	EPA-8082	90.0	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE:	6/24/2016
		ALS JOB#:	EV16060145
		ALS SAMPLE#:	EV16060145-07
CLIENT CONTACT:	Gregg Middaugh	DATE RECEIVED:	06/22/2016
CLIENT PROJECT:	41373.000	COLLECTION DATE:	6/6/2016 3:00:00 PM
CLIENT SAMPLE ID	011-PCB-SOIL	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/23/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-8082	91.0	06/23/2016	GAP
DCB	EPA-8082	84.0	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE: ALS SDG#: WDOE ACCREDITATION:	6/24/2016 EV16060145 C601
CLIENT CONTACT:	Gregg Middaugh		
CLIENT PROJECT:	41373.000		

LABORATORY BLANK RESULTS

MBLK-276977 - Batch R276977 - Soil by EPA-8082

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP
PCB-1221	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP
PCB-1232	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP
PCB-1242	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP
PCB-1248	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP
PCB-1254	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP
PCB-1260	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP
PCB-1268	EPA-8082	U	MG/KG	0.10	06/23/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	PBS Environmental 2517 Eastlake Ave. E., Suite 100 Seattle, WA 98102	DATE:	6/24/2016
		ALS SDG#:	EV16060145
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Gregg Middaugh		
CLIENT PROJECT:	41373.000		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: R276977 - Soil by EPA-8082

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
PCB-1016 - BS	EPA-8082	90.0			50	150	06/23/2016	GAP
PCB-1016 - BSD	EPA-8082	93.0	3		50	150	06/23/2016	GAP
PCB-1260 - BS	EPA-8082	113			50	150	06/23/2016	GAP
PCB-1260 - BSD	EPA-8082	117	3		50	150	06/23/2016	GAP

APPROVED BY

Laboratory Director

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Analytical Laboratory Testing Services
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Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 1 of 1

Laboratory Number: 09-001

Company: PBS Engineering & Environmental
Project Number: 41373.000
Project Name: Sky Valley Ed Ctr.
Project Manager: Gregg Middaugh
Sampled by: Cel Alvarez

Turnaround Request (in working days)
(Check One)
- ☐ Same Day
- ☒ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☐ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Lab ID	Sample Identification	Location	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	PCB				% Moisture
1	41373 - 12	Annex Prep Rm F	8/30/16	14:00	Soil	1																		X				X
2	- 13	Annex Room C				1																		X				X
3	- 14	Annex Room F				1																		X				X
4	- 15	Annex Room D				1																		X				X
5	- 16	Annex Rm E				1																		X				X
6	- 17	Tech. Bldg SW corner				1																		X				X

@ FIRST CLEARANCE SET
POST ABATEMENT

	Signature	Company	Date	Time
Relinquished	[signature]	PBS	9/1/16	8:25
Received	[signature]	OSE	9/1/16	825
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
email: cel.alvarez@pbsenv.com
w/ results

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
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September 2, 2016

Gregg Middaugh
PBS Engineering & Environmental
2517 Eastlake Avenue E., Suite 100
Seattle, WA 98102

Re: Analytical Data for Project 41373.000
Laboratory Reference No. 1609-001

Dear Gregg:

Enclosed are the analytical results and associated quality control data for samples submitted on September 1, 2016.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2016
Samples Submitted: September 1, 2016
Laboratory Reference: 1609-001
Project: 41373.000

Case Narrative

Samples were collected on August 30, 2016 and received by the laboratory on September 1, 2016. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2016
Samples Submitted: September 1, 2016
Laboratory Reference: 1609-001
Project: 41373.000

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**41373-12**					
Laboratory ID:	09-001-01					
Aroclor 1016	**ND**	1.1	EPA 8082A	9-1-16	9-2-16	
Aroclor 1221	**ND**	1.1	EPA 8082A	9-1-16	9-2-16	
Aroclor 1232	**ND**	1.1	EPA 8082A	9-1-16	9-2-16	
Aroclor 1242	**ND**	1.1	EPA 8082A	9-1-16	9-2-16	
Aroclor 1248	**ND**	1.1	EPA 8082A	9-1-16	9-2-16	
Aroclor 1254	**5.7**	1.1	EPA 8082A	9-1-16	9-2-16	
Aroclor 1260	**ND**	1.1	EPA 8082A	9-1-16	9-2-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	---	*50-139*				S
Client ID:	**41373-13**					
Laboratory ID:	09-001-02					
Aroclor 1016	**ND**	0.054	EPA 8082A	9-1-16	9-1-16	
Aroclor 1221	**ND**	0.054	EPA 8082A	9-1-16	9-1-16	
Aroclor 1232	**ND**	0.054	EPA 8082A	9-1-16	9-1-16	
Aroclor 1242	**ND**	0.054	EPA 8082A	9-1-16	9-1-16	
Aroclor 1248	**ND**	0.054	EPA 8082A	9-1-16	9-1-16	
Aroclor 1254	**0.13**	0.054	EPA 8082A	9-1-16	9-1-16	
Aroclor 1260	**ND**	0.054	EPA 8082A	9-1-16	9-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*101*	*50-139*				
Client ID:	**41373-14**					
Laboratory ID:	09-001-03					
Aroclor 1016	**ND**	5.3	EPA 8082A	9-1-16	9-2-16	
Aroclor 1221	**ND**	5.3	EPA 8082A	9-1-16	9-2-16	
Aroclor 1232	**ND**	5.3	EPA 8082A	9-1-16	9-2-16	
Aroclor 1242	**ND**	5.3	EPA 8082A	9-1-16	9-2-16	
Aroclor 1248	**ND**	5.3	EPA 8082A	9-1-16	9-2-16	
Aroclor 1254	**36**	5.3	EPA 8082A	9-1-16	9-2-16	
Aroclor 1260	**ND**	5.3	EPA 8082A	9-1-16	9-2-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	---	*50-139*				S

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2016
Samples Submitted: September 1, 2016
Laboratory Reference: 1609-001
Project: 41373.000

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**41373-15**					
Laboratory ID:	09-001-04					
Aroclor 1016	**ND**	0.050	EPA 8082A	9-1-16	9-1-16	
Aroclor 1221	**ND**	0.050	EPA 8082A	9-1-16	9-1-16	
Aroclor 1232	**ND**	0.050	EPA 8082A	9-1-16	9-1-16	
Aroclor 1242	**ND**	0.050	EPA 8082A	9-1-16	9-1-16	
Aroclor 1248	**ND**	0.050	EPA 8082A	9-1-16	9-1-16	
Aroclor 1254	**0.20**	0.050	EPA 8082A	9-1-16	9-1-16	
Aroclor 1260	**ND**	0.050	EPA 8082A	9-1-16	9-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*79*	*50-139*				
Client ID:	**41373-16**					
Laboratory ID:	09-001-05					
Aroclor 1016	**ND**	0.51	EPA 8082A	9-1-16	9-2-16	
Aroclor 1221	**ND**	0.51	EPA 8082A	9-1-16	9-2-16	
Aroclor 1232	**ND**	0.51	EPA 8082A	9-1-16	9-2-16	
Aroclor 1242	**ND**	0.51	EPA 8082A	9-1-16	9-2-16	
Aroclor 1248	**ND**	0.51	EPA 8082A	9-1-16	9-2-16	
Aroclor 1254	**2.6**	0.51	EPA 8082A	9-1-16	9-2-16	
Aroclor 1260	**ND**	0.51	EPA 8082A	9-1-16	9-2-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	---	*50-139*				S
Client ID:	**41373-17**					
Laboratory ID:	09-001-06					
Aroclor 1016	**ND**	0.052	EPA 8082A	9-1-16	9-1-16	
Aroclor 1221	**ND**	0.052	EPA 8082A	9-1-16	9-1-16	
Aroclor 1232	**ND**	0.052	EPA 8082A	9-1-16	9-1-16	
Aroclor 1242	**ND**	0.052	EPA 8082A	9-1-16	9-1-16	
Aroclor 1248	**ND**	0.052	EPA 8082A	9-1-16	9-1-16	
Aroclor 1254	**ND**	0.052	EPA 8082A	9-1-16	9-1-16	
Aroclor 1260	**ND**	0.052	EPA 8082A	9-1-16	9-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*106*	*50-139*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2016
Samples Submitted: September 1, 2016
Laboratory Reference: 1609-001
Project: 41373.000

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0901S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	9-1-16	9-1-16	
Aroclor 1221	**ND**	0.050	EPA 8082A	9-1-16	9-1-16	
Aroclor 1232	**ND**	0.050	EPA 8082A	9-1-16	9-1-16	
Aroclor 1242	**ND**	0.050	EPA 8082A	9-1-16	9-1-16	
Aroclor 1248	**ND**	0.050	EPA 8082A	9-1-16	9-1-16	
Aroclor 1254	**ND**	0.050	EPA 8082A	9-1-16	9-1-16	
Aroclor 1260	**ND**	0.050	EPA 8082A	9-1-16	9-1-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*112*	*50-139*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-378-06										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.436**	**0.400**	0.500	0.500	ND	**87**	**80**	49-133	9	17	
Surrogate:											
DCB						*89*	*84*	*50-139*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2016
Samples Submitted: September 1, 2016
Laboratory Reference: 1609-001
Project: 41373.000

% MOISTURE

Date Analyzed: 9-1-16

Client ID	Lab ID	% Moisture
41373-12	09-001-01	8
41373-13	09-001-02	8
41373-14	09-001-03	5
41373-15	09-001-04	1
41373-16	09-001-05	2
41373-17	09-001-06	5

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 1 of 1

Laboratory Number: 09-055

Company: PBS Engineering & Environmental
Project Number: 41373.000
Project Name: Sun Valley Ed Ctr.
Project Manager: Greg Middaugh
Sampled by: Cel Alvarez

Turnaround Request (in working days)
(Check One)
☐ Same Day ☑ 1 Day ☐ 2 Days ☐ 3 Days
☐ Standard (7 Days) (TPH analysis 5 Days)
☐ 9/8 NOON (other)

Lab ID	Sample Identification	Location	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	PCB				% Moisture
1	41373-18	Annex Room F	9/6/16	8:00	Soil	1																		X				X
2	-19	Annex Room E				1																		X				X
3	-20	Annex Room E				1																		X				X
4	-21	Annex Room D				1																		X				X
5	-22	Annex Room E				1																		X				X
	* SECOND CLEARANCE SET POST ABATEMENT																											

	Signature	Company	Date	Time
Relinquished		PBS	9/7/16	9:00
Received		OSE	9/7/16	9:00 AM
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
email: cel.alvarez@pbsenv.com w/results

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

ED_004522_00089866-00415

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 8, 2016

Gregg Middaugh
PBS Engineering & Environmental
2517 Eastlake Avenue E., Suite 100
Seattle, WA 98102

Re: Analytical Data for Project 41373.000
Laboratory Reference No. 1609-055

Dear Gregg:

Enclosed are the analytical results and associated quality control data for samples submitted on September 7, 2016.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 8, 2016
Samples Submitted: September 7, 2016
Laboratory Reference: 1609-055
Project: 41373.000

Case Narrative

Samples were collected on September 7, 2016 and received by the laboratory on September 7, 2016. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 8, 2016
Samples Submitted: September 7, 2016
Laboratory Reference: 1609-055
Project: 41373.000

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**41373-18**					
Laboratory ID:	09-055-01					
Aroclor 1016	**ND**	0.055	EPA 8082A	9-7-16	9-7-16	
Aroclor 1221	**ND**	0.055	EPA 8082A	9-7-16	9-7-16	
Aroclor 1232	**ND**	0.055	EPA 8082A	9-7-16	9-7-16	
Aroclor 1242	**ND**	0.055	EPA 8082A	9-7-16	9-7-16	
Aroclor 1248	**ND**	0.055	EPA 8082A	9-7-16	9-7-16	
Aroclor 1254	**1.7**	0.055	EPA 8082A	9-7-16	9-7-16	
Aroclor 1260	**0.40**	0.055	EPA 8082A	9-7-16	9-7-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*68*	*50-139*				
Client ID:	**41373-19**					
Laboratory ID:	09-055-02					
Aroclor 1016	**ND**	0.061	EPA 8082A	9-7-16	9-7-16	
Aroclor 1221	**ND**	0.061	EPA 8082A	9-7-16	9-7-16	
Aroclor 1232	**ND**	0.061	EPA 8082A	9-7-16	9-7-16	
Aroclor 1242	**ND**	0.061	EPA 8082A	9-7-16	9-7-16	
Aroclor 1248	**ND**	0.061	EPA 8082A	9-7-16	9-7-16	
Aroclor 1254	**0.062**	0.061	EPA 8082A	9-7-16	9-7-16	
Aroclor 1260	**ND**	0.061	EPA 8082A	9-7-16	9-7-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*50-139*				
Client ID:	**41373-20**					
Laboratory ID:	09-055-03					
Aroclor 1016	**ND**	0.054	EPA 8082A	9-7-16	9-7-16	
Aroclor 1221	**ND**	0.054	EPA 8082A	9-7-16	9-7-16	
Aroclor 1232	**ND**	0.054	EPA 8082A	9-7-16	9-7-16	
Aroclor 1242	**ND**	0.054	EPA 8082A	9-7-16	9-7-16	
Aroclor 1248	**ND**	0.054	EPA 8082A	9-7-16	9-7-16	
Aroclor 1254	**0.45**	0.054	EPA 8082A	9-7-16	9-7-16	
Aroclor 1260	**0.10**	0.054	EPA 8082A	9-7-16	9-7-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*50-139*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 8, 2016
Samples Submitted: September 7, 2016
Laboratory Reference: 1609-055
Project: 41373.000

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**41373-21**					
Laboratory ID:	09-055-04					
Aroclor 1016	**ND**	0.051	EPA 8082A	9-7-16	9-7-16	
Aroclor 1221	**ND**	0.051	EPA 8082A	9-7-16	9-7-16	
Aroclor 1232	**ND**	0.051	EPA 8082A	9-7-16	9-7-16	
Aroclor 1242	**ND**	0.051	EPA 8082A	9-7-16	9-7-16	
Aroclor 1248	**ND**	0.051	EPA 8082A	9-7-16	9-7-16	
Aroclor 1254	**0.16**	0.051	EPA 8082A	9-7-16	9-7-16	
Aroclor 1260	**ND**	0.051	EPA 8082A	9-7-16	9-7-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*66*	*50-139*				
Client ID:	**41373-22**					
Laboratory ID:	09-055-05					
Aroclor 1016	**ND**	0.052	EPA 8082A	9-7-16	9-7-16	
Aroclor 1221	**ND**	0.052	EPA 8082A	9-7-16	9-7-16	
Aroclor 1232	**ND**	0.052	EPA 8082A	9-7-16	9-7-16	
Aroclor 1242	**ND**	0.052	EPA 8082A	9-7-16	9-7-16	
Aroclor 1248	**ND**	0.052	EPA 8082A	9-7-16	9-7-16	
Aroclor 1254	**0.92**	0.052	EPA 8082A	9-7-16	9-7-16	
Aroclor 1260	**0.30**	0.052	EPA 8082A	9-7-16	9-7-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*76*	*50-139*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 8, 2016
Samples Submitted: September 7, 2016
Laboratory Reference: 1609-055
Project: 41373.000

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0907S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	9-7-16	9-7-16	
Aroclor 1221	**ND**	0.050	EPA 8082A	9-7-16	9-7-16	
Aroclor 1232	**ND**	0.050	EPA 8082A	9-7-16	9-7-16	
Aroclor 1242	**ND**	0.050	EPA 8082A	9-7-16	9-7-16	
Aroclor 1248	**ND**	0.050	EPA 8082A	9-7-16	9-7-16	
Aroclor 1254	**ND**	0.050	EPA 8082A	9-7-16	9-7-16	
Aroclor 1260	**ND**	0.050	EPA 8082A	9-7-16	9-7-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*81*	*50-139*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0907S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.451**	**0.415**	0.500	0.500	N/A	**90**	**83**	61-135	8	11	
Surrogate:											
DCB						*78*	*79*	*50-139*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 8, 2016
Samples Submitted: September 7, 2016
Laboratory Reference: 1609-055
Project: 41373.000

% MOISTURE

Date Analyzed: 9-7-16

Client ID	Lab ID	% Moisture
41373-18	09-055-01	10
41373-19	09-055-02	17
41373-20	09-055-03	8
41373-21	09-055-04	2
41373-22	09-055-05	4

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

ED_004522_00089866-00422

OnSite Environmental Inc.

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 1 of 1

Company: PBS Engineering & Environmental
Project Number: 41373.000
Project Name: Sky Valley Ed Ctr.
Project Manager: Gregg Middaugh
Sampled by: Col Alvarez

Turnaround Request (in working days)

(Check One)

- [x] Same Day
- [ ] 1 Day
- [ ] 2 Days
- [ ] 3 Days
- [ ] Standard (7 Days) (TPH analysis 5 Days)
- [x] 10am 9/9/11 (other)

Laboratory Number: 09-087

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	BCB				% Moisture
1	41373-23 Prep Rm F	9/8/11	1530	Soil	1																	X				X
2	41373-24 Annex Rm E	9/8/11	1530	Soil	1																	X				X
	Third Clearance Set POST ABATE MENT																									

	Signature	Company	Date	Time
Relinquished		PBS	9/8/11	1556
Received		OSE	9/8/11	1556
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

email: col.alvarez@pbsenv.com

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

ED_004522_00089866-00423

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 9, 2016

Gregg Middaugh
PBS Engineering & Environmental
2517 Eastlake Avenue E., Suite 100
Seattle, WA 98102

Re: Analytical Data for Project 41373.000
Laboratory Reference No. 1609-087

Dear Gregg:

Enclosed are the analytical results and associated quality control data for samples submitted on September 8, 2016.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 9, 2016
Samples Submitted: September 8, 2016
Laboratory Reference: 1609-087
Project: 41373.000

Case Narrative

Samples were collected on September 8, 2016 and received by the laboratory on September 8, 2016. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 9, 2016
Samples Submitted: September 8, 2016
Laboratory Reference: 1609-087
Project: 41373.000

PCBs
EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**41373-23**					
Laboratory ID:	09-087-01					
Aroclor 1016	**ND**	0.055	EPA 8082A	9-8-16	9-8-16	
Aroclor 1221	**ND**	0.055	EPA 8082A	9-8-16	9-8-16	
Aroclor 1232	**ND**	0.055	EPA 8082A	9-8-16	9-8-16	
Aroclor 1242	**ND**	0.055	EPA 8082A	9-8-16	9-8-16	
Aroclor 1248	**ND**	0.055	EPA 8082A	9-8-16	9-8-16	
Aroclor 1254	**0.54**	0.055	EPA 8082A	9-8-16	9-8-16	
Aroclor 1260	**ND**	0.055	EPA 8082A	9-8-16	9-8-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*78*	*50-139*				
Client ID:	**41373-24**					
Laboratory ID:	09-087-02					
Aroclor 1016	**ND**	0.050	EPA 8082A	9-8-16	9-8-16	
Aroclor 1221	**ND**	0.050	EPA 8082A	9-8-16	9-8-16	
Aroclor 1232	**ND**	0.050	EPA 8082A	9-8-16	9-8-16	
Aroclor 1242	**ND**	0.050	EPA 8082A	9-8-16	9-8-16	
Aroclor 1248	**ND**	0.050	EPA 8082A	9-8-16	9-8-16	
Aroclor 1254	**0.57**	0.050	EPA 8082A	9-8-16	9-8-16	
Aroclor 1260	**ND**	0.050	EPA 8082A	9-8-16	9-8-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*60*	*50-139*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 9, 2016
Samples Submitted: September 8, 2016
Laboratory Reference: 1609-087
Project: 41373.000

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0908S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	9-8-16	9-8-16	
Aroclor 1221	**ND**	0.050	EPA 8082A	9-8-16	9-8-16	
Aroclor 1232	**ND**	0.050	EPA 8082A	9-8-16	9-8-16	
Aroclor 1242	**ND**	0.050	EPA 8082A	9-8-16	9-8-16	
Aroclor 1248	**ND**	0.050	EPA 8082A	9-8-16	9-8-16	
Aroclor 1254	**ND**	0.050	EPA 8082A	9-8-16	9-8-16	
Aroclor 1260	**ND**	0.050	EPA 8082A	9-8-16	9-8-16	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*98*	*50-139*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	09-029-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.437**	**0.447**	0.500	0.500	ND	**87**	**89**	49-133	2	17	
Surrogate:											
DCB						*91*	*93*	*50-139*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 9, 2016
Samples Submitted: September 8, 2016
Laboratory Reference: 1609-087
Project: 41373.000

% MOISTURE

Date Analyzed: 9-8-16

Client ID	Lab ID	% Moisture
41373-23	09-087-01	9
41373-24	09-087-02	1

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

ED_004522_00089866-00428

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

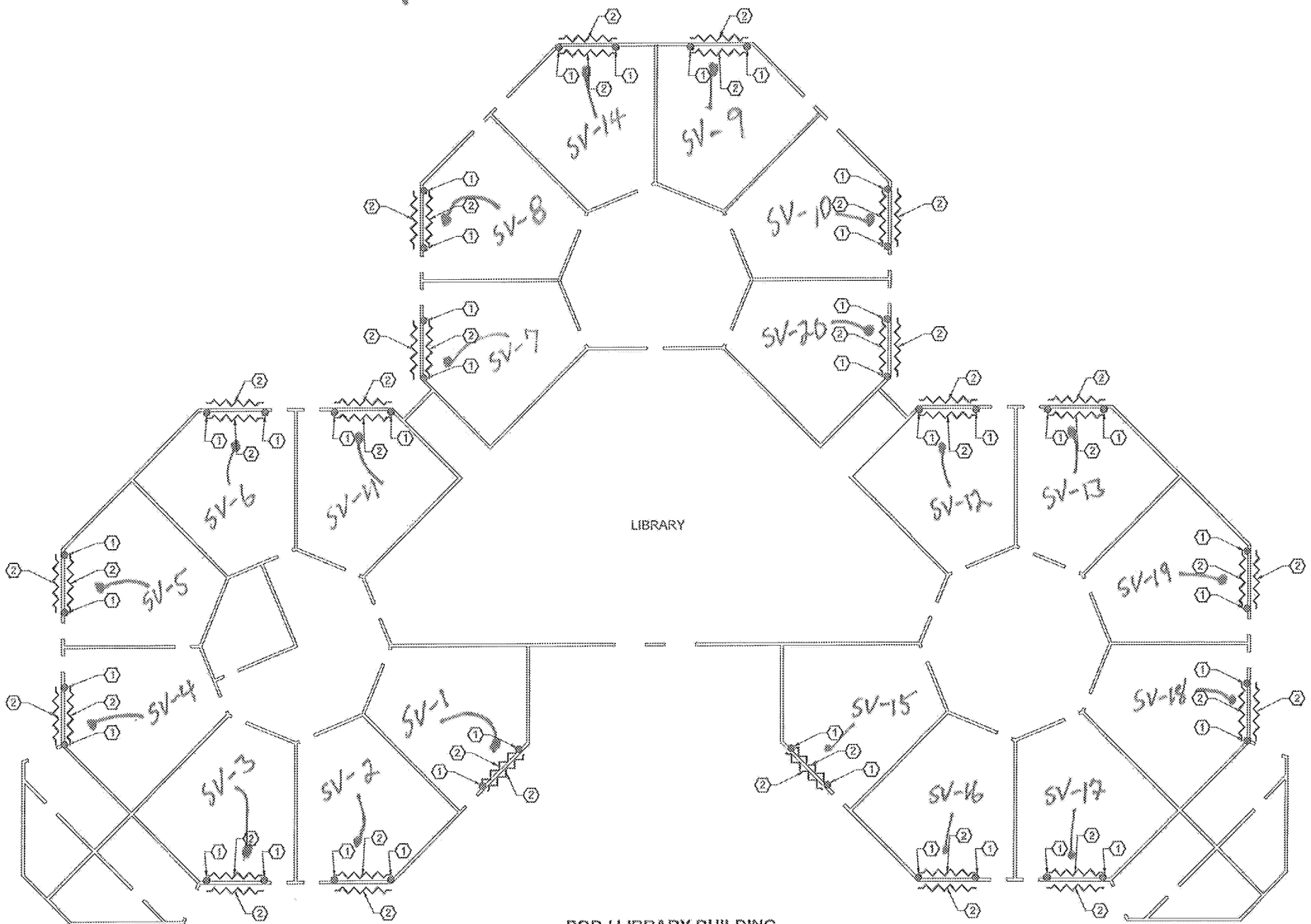
Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

TAB 7
Asbestos Air Sample Lab Reports
Sample Location Field Drawings

ACM Clearance (Air) Sample Locations



POD / LIBRARY BUILDING

NOT TO SCALE

GENERAL NOTES

1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO REMOVAL. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. GENERAL LOCATIONS OF PCB-CONTAINING MATERIALS ARE DEPICTED DIAGRAMMATICALLY ON THE DRAWINGS. THE REMAINING MATERIAL LOCATIONS ARE DESCRIBED TEXTUALLY ON THESE DRAWINGS. QUANTITIES OF HAZARDOUS MATERIALS LISTED ON THIS SHEET ARE CONSIDERED ACCURATE TO WITHIN +/- 10%. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND PERMITS FOR THE REMOVAL AND DISPOSAL OF THE QUANTITIES OF HAZARDOUS MATERIALS PROVIDED PLUS AN ADDITIONAL 10%. THE CONTRACTOR WILL BE COMPENSATED FOR QUANTITIES WHICH ARE GREATER THAN 110% OF THE TOTAL AND THE OWNER WILL DEDUCT FROM THE CONTRACT SUM QUANTITIES THAT ARE 90% OR LESS OF THE TOTAL.
2. REMOVAL OF HAZARDOUS MATERIALS MAY COMPROMISE THE SECURITY OF THE SITE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINTAINING SITE SECURITY AND PUBLIC SAFETY THROUGHOUT THE PROJECT. SEE SPECIFICATIONS REGARDING SECURITY AND PUBLIC SAFETY.
3. ABATEMENT CONTRACTOR TO COORDINATE ALL ACTIVITIES WITH ALL OTHER ONSITE WORK INCLUDING, BUT NOT LIMITED TO: SCHEDULE, ACCESS, STAGING, ETC. ABATEMENT CONTRACTOR TO REPORT LOCATIONS AND QUANTITIES OF ALL HAZARDOUS MATERIALS TO BE REMOVED, TO THE OWNERS REPRESENTATIVE PRIOR TO ABATEMENT/DEMOLITION.
4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

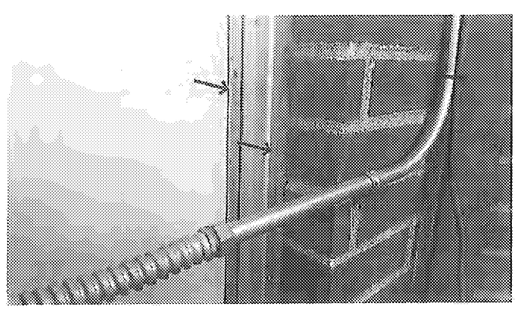
KEY NOTES

① REMOVE APPROX. 500 LF OF PCB-CONTAINING CAULKING LOCATED ON INTERIOR PERIMETER METAL WINDOW FRAME TO BRICK TRANSITION VERTICALS IN EACH OF CLASSROOMS 1-20 AS SHOWN.

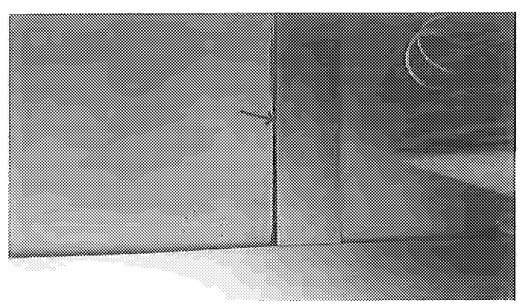
② REMOVE APPROX. 1,400 LF OF PCB-CONTAINING CAULKING ON THE INTERIOR AND EXTERIOR SIDES OF THE CEMENT ASBESTOS BOARD (CAB) WINDOW INFILL PANELS. THE CAULKING FILLS THE GAP BETWEEN THE METAL WINDOW FRAME AND CAB TRANSITION IN EACH OF CLASSROOMS 1-20 AS SHOWN.

LEGEND

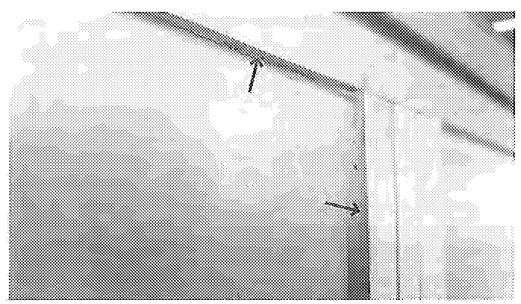
- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUN



①PHOTO DETAIL



②PHOTO DETAIL



②PHOTO DETAIL

NOT TO SCALE

PBS
Engineering + Environmental
2517 Eastlake Ave East
Suite 100
Seattle, WA 98102
206.233.9639
www.pbsenv.com

MONROE SCHOOL DISTRICT

POD/LIBRARY BUILDING
CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY EDUCATIONAL CENTER
353 SHORT COLUMBIA STREET
MONROE, WASHINGTON

PROJECT:	41373.000
DRAWN:	JHD
CHECKED:	GM
DATE:	JUNE 2016
DWG NO.	HM2
SHEET NO.	2 OF 5

ED_004522_00089866-00431

LABORATORY DATA SHEET

PBS
2517 Eastlake Ave. E.,
#100, Seattle, WA 98102
206/233-9639
FAX 206-762-4780

Project Name: Sky Valley Ed Ctr.	IH: Cel Alvarez	WEATHER: Overcast	Conditions: —
PBS Project No.: 41373.00	SAMPLE MEDIA/ANALYTICAL METHOD: Niosh 7400 PCM CASSETTE	TEMP: —	
Location: PCB ABATEMENT WINDOW PANELS		R.H. —	
		FIELD COUNT 100	
RELINQUISHED BY (SIGN.):	DATE/TIME: 8/11/16	ANALYZED BY: Cel Alvarez	DATE/TIME: 8/11/16 10:00
RECEIVED BY (SIGN.):	DATE/TIME:	ANALYZED BY:	DATE/TIME:

REMARKS: —

TWA: —

CODES: P PERSONAL; IWA INSIDE WORK AREA; OWA OUTSIDE WORK AREA; C CLEARANCE; A AMBIENT AIR; B BLANK; PRE PRE-ABATEMENT; EX EXCURSION; TEM CLEARANCE SAMPLE; GBA GLOVE BAG AREA; H HEPA

DATE	SAMPLE NUMBER	CODE	PUMP	LOCATION ACTIVITY / PERSON	BLANK AVG	TIME ON	TIME OFF	TOTAL TIME	FLOW PRE	FLOW POST	FLOW AVG	TOTAL VOL	FIBERS/ FIELD	FIBERS/ CC
8-10-16	SV-1	C	1699	Room #20	0/100	7:07	8:47	100	12	12	12	1200	5/100	0.002
	SV-2	C	9508	Room #19		7:10	8:50	100	12	12	12	1200	7/100	0.003
	SV-3	C	1699	Room #18		8:53	10:33	100	12	12	12	1200	3/100	<0.002
	SV-4	C	9508	Room #17		8:57	10:37	100	12	12	12	1200	6/100	0.002
	SV-5	C	1699	Room #16		10:40	1220	100	12	12	12	1200	4/100	<0.002
	SV-6	C	9508	Room #15		1245	1245	100	12	12	12	1200	5/100	0.002
	BLK-1	B	—	—	—	—	—	—	—	—	—	—	0/100	—
	BLK-2	B	—	—	—	—	—	—	—	—	—	—	0/100	—
Recount Sample #	SV-4	Recount		Rm 17	0	—	—	—	—	—	—	—	8/100	0.003
Recount Sample #		Recount												
Reference Slide #		Count												

ED_004522_00089866-00432

ED_004522_00089866-00433

LABORATORY DATA SHEET

PBS
2517 Eastlake Ave. E.,
#100, Seattle, WA 98102
206/233-9639
FAX 206-762-4780

Project Name: Sky Valley Ed Ctr
PBS Project No.: 41373.000
Location: PCB ABATEMENT WINDOW PANELS
IH: Cal Alvarez
SAMPLE MEDIA/ANALYTICAL METHOD: NIOSH 7400 PCM CASSETTE
WEATHER: OVERCAST
TEMP: —
R.H.: —
FIELD COUNT 100
Conditions: —

RELINQUISHED BY (SIGN.): —
DATE/TIME: —
ANALYZED BY:
DATE/TIME: 8/11/16 1315
REMARKS: —

RECEIVED BY (SIGN.): —
DATE/TIME: —
ANALYZED BY: —
DATE/TIME: —
TWA: —

CODES: P PERSONAL; C CLEARANCE; PRE PRE-ABATEMENT; GBA GLOVE BAG AREA
IWA INSIDE WORK AREA; A AMBIENT AIR; EX EXCURSION; H HEPA
OWA OUTSIDE WORK AREA; B BLANK; TEM CLEARANCE SAMPLE

DATE	SAMPLE NUMBER	CODE	PUMP	LOCATION ACTIVITY / PERSON	BLANK AVG	TIME ON	TIME OFF	TOTAL TIME	FLOW PRE	FLOW POST	FLOW AVG	TOTAL VOL	FIBERS/ FIELD	FIBERS/ CC
8-11-16	SV-7	C	6356	Room #13	0/100	8:45	11:07	142	8.5	8.5	8.5	1207	3/100	<0.002
	SV-8	C	32	Room #12		8:56	12:35	219	5.5	5.5	5.5	1205	4/100	<0.002
	SV-9	C	13	Room #10		9:04	11:04	120	10	10	10	1200	3/100	<0.002
	SV-10	C	8715	Room #9		9:10	11:10	120	10	10	10	1200	6/100	0.002
	SV-11	C	8724	Room #14		10:06	12:06	120	10	10	10	1200	5/100	0.002
	SV-12	C	9508	Room #7		10:28	12:28	120	10	10	10	1200	4/100	<0.002
	SV-13	C	1699	Room #6		10:30	12:30	120	10	10	10	1200	3/100	<0.002
	SV-14	C	6356	Room #11		10:55	12:55	120	9.5	9.5	9.5	1200	7/100	0.003
	BLK 3	B	—	—		—	—	—	—	—	—	—	0/100	—
↓	BLK 4	B	—	—	↓	—	—	—	—	—	—	—	0/100	—
Recount Sample #		7	Recount	Rm 13	0	—	—	—	—	—	—	—	6/100	<0.002
Recount Sample #			Recount											
Reference Slide #			Count											

ED_004522_00089866-00434

LABORATORY DATA SHEET

PBS
2517 Eastlake Ave. E.,
#100, Seattle, WA 98102
206/233-9639
FAX 206-762-4780

Project Name: Sky Valley Ed. Ctr
PBS Project No.: 41373.000
Location: Monroe WA
Windows Panels
PCB Abatement

IH: Cel Alvarez
SAMPLE MEDIA/ANALYTICAL METHOD:
Niosh 7400
PCM Cassette

WEATHER: Sunny
TEMP: 70
R.H. —
FIELD COUNT 100

Conditions: —

RELINQUISHED BY (SIGN.): — DATE/TIME: —
RECEIVED BY (SIGN.): — DATE/TIME: —

ANALYZED BY: [signature] DATE/TIME: 8/12/16 1210
ANALYZED BY: [signature] DATE/TIME: —

REMARKS: —
TWA: —

CODES: P PERSONAL; C CLEARANCE; PRE PRE-ABATEMENT; GBA GLOVE BAG AREA
IWA INSIDE WORK AREA; A AMBIENT AIR; EX EXCURSION; H HEPA
OWA OUTSIDE WORK AREA; B BLANK; TEM CLEARANCE SAMPLE

DATE	SAMPLE NUMBER	CODE	PUMP	LOCATION ACTIVITY / PERSON	BLANK AVG	TIME ON	TIME OFF	TOTAL TIME	FLOW PRE	FLOW POST	FLOW AVG	TOTAL VOL	FIBERS/ FIELD	FIBERS/ CC
8/12/16	SV-15	C	1699	Room 1	0/100	8:14	10:14	120	10	10	10	1200	6/100	0.002
	SV-16	C	9506	Room 2	1	8:16	10:16	120	10	10	10	1200	4/100	<0.002
	SV-17	C	13	Room 3		8:18	10:18	120	10	10	10	1200	6/100	0.002
	SV-18	C	—	Room 4		8:20	10:20	120	10	10	10	1200	6/100	0.002
	SV-19	C	8715	Room 5		8:23	10:23	120	10	10	10	1200	5/100	0.002
	SV-20	C	3	Room 8		8:27	11:09	142	8.5	8.5	8.5	1207	7/100	0.003
	BLK-5	B	—	—		—	—	—	—	—	—	—	0/100	—
	BLK-6	B	—	—		—	—	—	—	—	—	—	0/100	—
Recount Sample #		20	Recount	Rm 8	0	—	—	—	—	—	—	—	9/100	0.004
Recount Sample #			Recount											
Reference Slide #			Count											

TAB 8
Contractor Closeout Documents

NorthStar CG, LP
8160 304th Ave SE, Issaquah, WA 98027
Office: 425 881 0623 | Fax: 425 881 5935
www.northstar.com

November 29, 2016

Monroe School District
Attn: John Mannix
200 E. Fremont St
Monroe, WA 98272

Re: Sky Valley Education Center Project – PCB Caulk & Asbestos Abatement
Northstar Project #: 0761061

Dear John:

This serves as a written certification for the above referenced project. Northstar has fully inspected the work area and completed the removal and disposal of the PCB and asbestos-containing materials as identified in the Contract Documents.

All materials were removed and disposed of at an accredited landfill in accordance with PSCAA, L&I and EPA regulations. This letter should be kept with the permanent records for the property.

Thank you for the opportunity to work with you. We look forward to hearing from you in the future should the need arise.

Sincerely,

Amani Moss
Project Engineer

ED_004522_00089866-00436

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

August 1, 2016

Amani Moss
NorthStar CG, LP
8160 304th Ave SE
Preston, WA 98027

RE: Asbestos & Other Fiber Analysis; NVL Batch# 1615588.00

Client Project: 0761061
Location: Sky Valley Education Center, 351 Short Columbia Street, Monroe, WA 98272

Dear Ms. Moss,

Enclosed please find test results for the 5 air sample(s) submitted to our laboratory for analysis on 7/29/2016.

Examination of these samples was conducted in accordance with the NIOSH 7400 method. Results are reported in fibers per cubic centimeter (fibers/cc) and in fibers per square millimeter (fibers/mm^2).

The working range for the NIOSH 7400 method is between 100 and 1300 fibers per square millimeter (fibers/mm^2).

Test results not blank corrected unless field blanks were provided.

Samples are archived for two weeks following analysis and will be discarded if not retrieved by the client after that period.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

AIHA LAP, LLC
ACCREDITED LABORATORY
LAB # 101861

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

ED_004522_00089866-00437

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

Asbestos And Other Fibers Analysis

by Phase Contrast Microscopy

Client: NorthStar CG, LP
Addres: 8160 304th Ave SE
Preston, WA 98027

Attention: Ms. Amani Moss
Project Location: Sky Valley Education Center, 351 Short Columbia Street, Monroe, WA 98272

Batch #: 1615588.00
Method: NIOSH 7400
Client Project #: 0761061
Date Received: 7/29/2016
Samples Received: 5
Samples Analyzed: 5

Lab ID: 16248390 **Client's Sample #: SV727-1** Date sampled: 7/27/2016

	Time	Flow Rate
Start	10:30 AM	2.40
End	12:30 PM	2.40
Minutes	120	Ave. 2.40

Sample type: TWA
Location: Annex Bldg. N. side, outside of rooms E @ little @
Activity: Caulking removal
Worker: Zaiht Jimenez
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
288	13868	min 0.134 max 1.738	**4.0 / 100**	<7.0	0.009	**<0.009**

Lab ID: 16248391 **Client's Sample #: SV727-2** Date sampled: 7/27/2016

	Time	Flow Rate
Start	12:30 PM	2.40
End	01:00 PM	2.40
Minutes	30	Ave. 2.40

Sample type: Excursion
Location: Annex- Outside, Rooms E
Activity: Caulking removal
Worker: Zaiht Jimenez
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
72	13868	min 0.535 max 6.951	**5.5 / 100**	7.0	0.037	**0.037**

Lab ID: 16248392 **Client's Sample #: SV727-3** Date sampled: 7/27/2016

	Time	Flow Rate
Start	01:00 PM	2.40
End	02:15 PM	2.40
Minutes	75	Ave. 2.40

Sample type: TWA
Location: Annex, Outside, Rooms E
Activity: Caulking removal
Worker: Zaiht Jimenez
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
180	13868	min 0.214 max 2.781	**6.0 / 100**	7.6	0.015	**0.016**

Lab ID: 16248393 **Client's Sample #: SV728-1** Date sampled: 7/28/2016

	Time	Flow Rate
Start	07:00 AM	2.40
End	10:00 AM	2.40
Minutes	180	Ave. 2.40

Sample type: TWA
Location: Annex Bldg., Greenhouse
Activity: Caulking removal
Worker: Juan Fuentes
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
432	13868	min 0.089 max 1.159	**3.5 / 100**	<7.0	0.006	**<0.006**

Blank ave.(f/mm²) 0.0 Micro. field area (mm²) 0.00785 Effe. filtration area (mm²) 385 Precision +/-22% Accuracy +/- 13%

Sampled by: Client
Analyzed by: Christina Molnar Date Analyzed: 07/29/2016
Reviewed by: Nick Ly Date Issued: 08/01/2016

Nick Ly, Technical Director

* Samples are analyzed in accordance with the NIOSH 7400 (Issue 2: 15 August 1994). If the samples were not collected by NVL Laboratories, then the accuracy of the results is limited by the methodology and acuity of the sample collector. The LOQ, Limits of Quantification, are the fiber concentrations, for the given volume of the sampled air, above and below which the results may be unreliable. The RL, Reporting Limit defined in Method 7400 as LOD, is the fibers/cc below which the results may not be confidently distinguished from background levels. This report relates only to the items tested. It shall not be reproduced, except in full, without written approval of NVL Laboratories, Inc. . Unless otherwise indicated, the condition of all samples was acceptable at time of receipt. Average Sr values for fiber count load range (Low=0.259; medium=0.151; high=0.122).

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

Asbestos And Other Fibers Analysis

by Phase Contrast Microscopy

Client: NorthStar CG, LP
Addres: 8160 304th Ave SE
Preston, WA 98027

Attention: Ms. Amani Moss

Project Location: Sky Valley Education Center, 351 Short Columbia Street, Monroe, WA 98272

Batch #: 1615588.00
Method: NIOSH 7400
Client Project #: 0761061
Date Received: 7/29/2016
Samples Received: 5
Samples Analyzed: 5

Lab ID: 16248394 **Client's Sample #: SV728-2** Date sampled: 7/28/2016

	Time	Flow Rate
Start	10:00 AM	2.40
End	10:30 AM	2.40
Minutes	30	Ave. 2.40

Sample type: Excursion
Location: Annex Bldg., Greenhouse
Activity: Caulking removal
Worker: Juan Fuentes
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
72	13868	min 0.535 max 6.951	**5.0 / 100**	<7.0	0.037	**<0.037**

Blank ave.(f/mm²) 0.0 Micro. field area (mm²) 0.00785 Effe. filtration area (mm²) 385 Precision +/-22% Accuracy +/- 13%

Sampled by: Client
Analyzed by: Christina Molnar Date Analyzed: 07/29/2016
Reviewed by: Nick Ly Date Issued: 08/01/2016

Nick Ly, Technical Director

* Samples are analyzed in accordance with the NIOSH 7400 (Issue 2: 15 August 1994). If the samples were not collected by NVL Laboratories, then the accuracy of the results is limited by the methodology and acuity of the sample collector. The LOQ, Limits of Quantification, are the fiber concentrations, for the given volume of the sampled air, above and below which the results may be unreliable. The RL, Reporting Limit defined in Method 7400 as LOD, is the fibers/cc below which the results may not be confidently distinguished from background levels. This report relates only to the items tested. It shall not be reproduced, except in full, without written approval of NVL Laboratories, Inc. . Unless otherwise indicated, the condition of all samples was acceptable at time of receipt. Average Sr values for fiber count load range (Low=0.259; medium=0.151; high=0.122).

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

ASBESTOS LABORATORY SERVICES

NVL LABS

Company NorthStar CG, LP
Address 8160 304th Ave SE
Preston, WA 98027
Project Manager Ms. Amani Moss
Phone (425) 881-0623

NVL Batch Number **1615588.00**
TAT 1 Day **AH** No
Rush TAT
Due Date 8/1/2016 **Time** 12:15 PM
Email amoss@NORTHSTAR.com
Fax (425) 881-5935

Project Name/Number: 0761061 **Project Location:** Sky Valley Education Center, 351 Short Columbia Street, Monroe, WA 98272

Subcategory PCM Air
Item Code ASB-01 NIOSH 7400 Asbestos by PCM (A-rule) <air>

Total Number of Samples 5 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	16248390	SV727-1		A
2	16248391	SV727-2		A
3	16248392	SV727-3		A
4	16248393	SV728-1		A
5	16248394	SV728-2		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Maxwell Raymond		NVL	7/29/16	1215
Analyzed by	Christina Molnar		NVL	7/29/16	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 7/29/2016
Time: 12:31 PM
Entered By: Justin Shearer

NorthStar CG, LP
8160 304th Avenue SE, Issaquah, WA 98027
Tel: 800-862-4687 Fax: 425-881-5935

CHAIN of CUSTODY

NorthStar

1615588

Laboratory: NVL
Laboratory Address: 4708 Aurora Av N
Project Manager: Amani Moss
Project Name/Location: Sky Valley Education Center; 351 Short Columbia Street, Monroe, WA 98272

Lab Batch #:
Northstar Job #: 0761061
Total Samples: 8 5

Turn Around Time (check one) ___1 Hr ___2 Hrs ___4 Hrs ✓ 24 Hrs ___2 Days ___3 Days ___5 Days ___Other:

EMAIL RESULTS TO: ncmairsample@northstar.com
425-881-5935 (Corporate Office) *AND* (check all that apply):
jason@northstar.com (Job site) Attn: Jason O'Neil
(Client) Attn:

(check one)

✓ Asbestos Air Sample (PCM) ___ Asbestos Air Sample (TEM NIOSH 7402) ___ Asbestos Air Sample (TEM AHERA)
___ Asbestos Bulk Sample (PLM) ___ Asbestos Bulk Sample (PLM Point Count) ___ Lead Bulk Sample (Paint Chips)
___ TCLP ___ Silica Respirable Dust / Nuisance Dust ___ Other:

Seq.	Lab ID #	Northstar Sample Number	Comments	A/R
1		SV727-1	TWA-1	
2		SV727-2	EX	
3		SV727-3	TWA-2	
4		SV728-1	TWA	
5		SV728-2	EX	
6		[illegible]	[illegible]	
7		[illegible]	[illegible]	
8		[illegible]	[illegible]	
9				
10				
11				
12				
13				
14				
15				
16				

	Print Name	Signature	Date	Time
Sampled By	Jason O'Neil	[signature]	7-29-16	11:00
Relinquished By	[signature]	[signature]	7-29-16	12:00
Received By	[signature]		7/29/16	1245
Analyzed By				
Results Faxed By				

Special Instructions:

___ Keep air samples longer than two weeks (call Project Manager for length of time)

Northstar

AIR SAMP NG DATA SHEET 1615588

heet 1 of 1

Project: Sky Valley Education Center Job #: 0761061 Competent Person: Jason Olson Sample Date: 7-27-16

Sample No.	Sample type	Pump Model	Name/Worker cert #/Soc. Sec #/tasks	# emp. rep.	PPE worn	Time (24hr)	Flow Rate (lpm)	Sample vol. (liters)	LOD (F/cc)	Results (F/field)	Results (F/cc)
SV7271	TWA 1	BDXII	2017021146A Zaiht Jimenez - caulking removal		HCV HF, HE, ST RG	On 10:30	Pre 2.4				
		Pump No. 13868	Location/Description/Interferences Annex Bldg. N side, outside of Rooms E + Little E		Controls HV DV W	Off 12:30	Post 2.4				
						Total min 120	Avg 2.4				
SV7272	EX	BDXII	Zaiht Jimenez caulking		HCV HF, HE, ST RG	On 12:30	Pre 2.4				
		Pump No. 13868	Location/Description/Interferences Annex - outside, Rooms E		Controls HV DV W	Off 1:00	Post 2.4				
						Total min 30	Avg 2.4				
SV7273	TWA 2	BDXII	Zaiht Jimenez caulking		HCV HF-HE, ST RG	On 1:00	Pre 2.4				
		Pump No. 13868	Location/Description/Interferences Annex, outside, Rooms E		Controls HV DV W	Off 2:15	Post 2.4				
						Total min 75	Avg 2.4				

Personal Sample Codes
TWA = Time Weighted Average EX = 30 minute Excursion
Number TWA sample sets: TWA1 = first set, TWA2 = second set
All personal samples are to be collected in the employee's breathing zone

Respirator codes
HF = air purifying half face
FF = air purifying full face
PAPR = powered air purifying respirator
SAP = Type C pressure demand
SAC = Type C continuous flow

Resp. cartridge codes
HE = HEPA
OV = organic vapor
AG = acid gas
ST = stack cartridge

Other PPE codes
CV = coverall
HCV = hooded coverall
B = boots HO = hood
CG = cloth gloves RG = rubber gloves
LG = leather gloves

Area Sample Codes*
OWA= outside work area PR = preabatement IA = inside regulated area
HE = HEPA exhaust DE = outside decon CL = Clearance
*Must use a location description: example - 3' north and 5' west of Column L1, approx 5' high

Control codes
G = Glove bag
NPE = Negative pressure enclosure
ME = Mini-enclosure
HV = HEPA vacuum
DV = Decon with vacuum
DS = Decon with shower
W = Wet methods
AM = Alternate means
PW = Prep Work
WTD = work area tear down

Calibration Data					
Low Flow	Rotometer Mfg. Dwyer	Model # LF-1	Serial # 15138562	Calibration date 12-21-15
High Flow	Rotometer Mfg.	Model #	Serial #	Calibration date

I certify that the above samples were taken in compliance with applicable standards, regulations and project specifications.

Sampler name	Signature	Cert #	Exp. date	Sampler firm	Date
Jason Olson	[signature]	2016025946A	12-30-16	Northstar	7-27-16

AIHA Accreditation # _____ **FOR LAB USE ONLY** NVLAP Accreditation # _____

Lab	Analyst name	Signature	Analysis date	Reviewer	Review date

Print clearly in blue or black ink

Northstar

AIR SAMP IG DATA SHEET 1615588

Page 1 of 1

Project: Sky Valley Education Center Job #: 0761061 Competent Person: Jason Olson Sample Date: 7-28-16

Sample No.	Sample type	Pump Model	Name/Worker cert #/Soc. Sec #/tasks	# emp. rep.	PPE worn	Time (24hr)	Flow Rate (lpm)	Sample vol. (liters)	LOD (F/cc)	Results (F/field)	Results (F/cc)
SV728-1	TWA	BDXII	Juan Fuentes 20170345 07A caulk removal		HCV R HF, HE, ST	On 7:00	Pre 2.4				
		Pump No. 13868	Location/Description/Interferences Annex bldg. Greenhouse		Controls HV DV W	Off 10:00	Post 2.4				
						Total min 180	Avg 2.4				
Sample No.	Sample type	Pump Model	Name/Worker cert #/Soc. Sec #/ tasks	#emp. rep.	PPE worn	Time (24hr)	Flow Rate (lpm)	Sample vol. (liters)	LOD (F/cc)	Results (F/field)	Results (F/cc)
SV728-2	EX	BDXII	Juan Fuentes 20170345 07A caulk removal		HCV R HF, HE, ST	On 10:00	Pre 2.4				
		Pump No. 13868	Location/Description/Interferences Annex bldg. -Greenhouse		Controls HV DV W	Off 10:30	Post 2.4				
						Total min 30	Avg 2.4				
Sample No.	Sample type	Pump Model	Name/Worker cert #/Soc. Sec #/ tasks	# emp. rep.	PPE worn	Time (24hr)	Flow Rate (lpm)	Sample vol. (liters)	LOD (F/cc)	Results (F/field)	Results (F/cc)
		BDXII	Juan Fuentes			On	Pre				
		Pump No. 13868	Location/Description/Interferences		Controls	Off	Post				
						Total min	Avg				

Personal Sample Codes
TWA = Time Weighted Average EX = 30 minute Excursion
Number TWA sample sets: TWA1 = first set, TWA2 = second set
All personal samples are to be collected in the employee's breathing zone

Respirator codes
HF = air purifying half face
FF = air purifying full face
PAPR = powered air purifying respirator
SAP = Type C pressure demand
SAC = Type C continuous flow

Resp. cartridge codes
HE = HEPA
OV = organic vapor
AG = acid gas
ST = stack cartridge

Other PPE codes
CV = coverall
HCV = hooded coverall
B = boots HO = hood
CG = cloth gloves RG = rubber gloves
LG = leather gloves

Area Sample Codes*
OWA= outside work area PR = preabatement IA = inside regulated area
HE = HEPA exhaust DE = outside decon CL = Clearance
*Must use a location description: example - 3' north and 5' west of Column L1, approx 5' high

Control codes
G = Glove bag HV = HEPA vacuum W = Wet methods
NPE = Negative pressure enclosure DV = Decon with vacuum AM = Alternate means
ME = Mini-enclosure DS = Decon with shower PW = Prep Work
WTD = work area tear down

Calibration Data						
Low Flow	Rotometer Mfg. Dwyer	Model # VFT	Serial # 15138562	Calibration date 12-21-15		
High Flow	Rotometer Mfg.	Model #	Serial #	Calibration date		

I certify that the above samples were taken in compliance with applicable standards, regulations and project specifications.

Sampler name	Signature	Cert #	Exp. date	Sampler firm	Date
Jason Olson		20160259464	12-30-16	Northstar	7-29-16

AIHA Accreditation # NVLAP Accreditation #

FOR LAB USE ONLY

Lab	Analyst name	Signature	Analysis date	Reviewer	Review date

Print clearly in blue or black ink

ED_004522_00089866-00443

NVL LABS
INDUSTRIAL HYGIENE SERVICES
Laboratory | Management | Training

August 2, 2016

Ms. Amani Moss

NorthStar CG, LP
8160 304th Ave, SE
Preston, 98027

Re: **NVL Batch 1615586.00**

Project Name/Number: 0761061

Project location: Sky Valley Education 351 Short Columbia ST. Monroe, WA

Dear Ms. Moss,

Enclosed please find test results for samples submitted to our laboratory for analysis. Preparation and analysis of these samples were conducted in accordance with published industry standards and methods specified on the attached analytical report.

The content of this package consists of the following:

-Case Narrative & Definition of Data Qualifiers
-Analytical Test Results
-Applicable QC Summary
-Client Chain-of-Custody (CoC)
-NVL Receiving Record

The report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client will be discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance, please contact us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Nick Ly, Technical Director

Enclosure: Sample Results

Case Narrative:

The following summarizes samples received on date as shown on the accompanied Chain of custody by NVL Laboratories, Inc. from NorthStar CG, LP for Project number:0761061. Samples were logged in for PCB analysis per client request using both customer sample ID's and laboratory assigned ID's as listed on the Chain-of-Custody (CoC). All samples as received were processed and analyzed within specified turnaround time without any abnormalities and deviations that may affect the analytical results. All quality control requirements were acceptable unless stated otherwise. The conditions of all samples were acceptable at time of receipt and all samples submitted with this batch were analyzed unless stated otherwise on the CoC.

Test Results are reported in microgram per cubic meter (ug/m^3) for PCB samples as shown on the analytical reports.

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Definition Appendix

Terms

% Rec	Percent recovery.
<	Below Reporting Limit(RL) or Limit of Quantitation(LoQ) of the instrument.
B	Blank contamination. The recorded results is associated with a contaminated blank.
DF	Dilution Factor
J	The reported concentration is an estimated value because something may be present in the sample that interfered with the analysis.
J1	The reported concentration is an estimated value because the laboratory control sample (LCS) is out of control limits.
J2	The reported concentration is an estimated value because the percent recovery for matrix spike is out of control limits.
J3	The reported concentration is an estimated value because the relative percent difference(RPD) for duplicate analysis is out of control limits.
J4	Percent recovery is outside of established control limits.
LCS	Laboratory Control Sample.
LFS	Laboratory Fortified Spike
Limits	The upper and lower control limits for spike recoveries.
LN	Quality control sample is outside of control limits. This analyte was not detected in the sample.
LOQ	Limit of quantitation(same as RL)
mg/kg	Milligrams per kilogram.
ND	Analyte not detected or below the reporting limit of the instrument or methodology

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Definition Appendix

Terms

PPM	Parts per Million.
QC Batch Group	Quality Control Batch Group. The entity that links analytical results and supporting quality control results.
R	The data are not reliable due to possible contamination or loss of material during preparation or analysis. Re-sampling and reanalysis are necessary for verification.
RL	Reporting Limit. The minimum concentration that can be quantified under routine operating conditions.
RPD	Relative Percent Difference. The relative difference between duplicate results(matrix spike, blank spike, or samples duplicate) expressed as a percentage.
RPD Limit	The maximum RPD allowed for a set of duplicate measurements(see RPD).
SMI	Surrogate has matrix interference.
Spike Conc.	The measured concentration, in sample basis units, of a spiked sample.
SURR-ND	Surrogate was not detected due to matrix interference or dilution.
ug/m3	Micrograms per cubic meter.
ug/mL	Micrograms per milliliter
ug	Microgram
ug/m3	microgram per cubic meter

ORGANICS LABORATORY SERVICES

NVL LABS

Company NorthStar CG, LP
Address 8160 304th Ave SE
Preston, WA 98027
Project Manager Ms. Amani Moss
Phone (425) 881-0623

NVL Batch Number **1615586.00**
TAT 1 Day **AH** No
Rush TAT
Due Date 8/1/2016 **Time** 12:15 PM
Email amoss@NORTHSTAR.com
Fax (425) 881-5935

Project Name/Number: 0761061 **Project Location:** Sky Valley Education 351 Short Columbia Street Monroe, WA 98272

Subcategory Quantitative analysis
Item Code ORG-01 **Method** NIOSH 5503 PCB Aroclors <Air>

Total Number of Samples 3 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	16248387	SV728-P1		A
2	16248388	SV728-P2		A
3	16248389	SV728-P3		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Maxwell Raymond		NVL	7/29/16	1215
Analyzed by	Shalini Patel		NVL	7-29-16	1800
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Entered By: Maxwell Raymond Date: 7/29/2016 Time: 12:17 PM

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ANALYSIS REPORT
Polychlorinated Biphenyls in Air

Client	**NorthStar CG, LP**	Samples Received*	**3**
SDG Number	**1615586.00**	Analyzed By	**Shalini Patel**
Date Reported	**08/02/2016**	Samples Analyzed*	**3**
Project Number	**0761061**	Analysis Method	**5503**
Location	**Sky Valley Education 351 Short Columbia ST. Monroe, WA 98272**	Preparation Method	**5503PR**
		* for this test only	

Sample Number	**SV728-P1**	Received	07/29/2016
Lab Sample ID	16248387	Matrix	Air
Initial Sample Size	288 L	Units of Result	ug/m3

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	1.0	< 1.0	07/29/2016
Aroclor-1221	1.0	< 1.0	07/29/2016
Aroclor-1232	1.0	< 1.0	07/29/2016
Aroclor-1242	1.0	< 1.0	07/29/2016
Aroclor-1248	1.0	< 1.0	07/29/2016
Aroclor-1254	1.0	< 1.0	07/29/2016
Aroclor-1260	1.0	< 1.0	07/29/2016
PCBs, Total	**1.0**	**<1**	**07/29/2016**

Comments: TWA1-PCB

Sample Number	**SV728-P2**	Received	07/29/2016
Lab Sample ID	16248388	Matrix	Air
Initial Sample Size	72 L	Units of Result	ug/m3

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	4.2	< 4.2	07/29/2016
Aroclor-1221	4.2	< 4.2	07/29/2016
Aroclor-1232	4.2	< 4.2	07/29/2016
Aroclor-1242	4.2	< 4.2	07/29/2016
Aroclor-1248	4.2	< 4.2	07/29/2016
Aroclor-1254	4.2	< 4.2	07/29/2016
Aroclor-1260	4.2	< 4.2	07/29/2016
PCBs, Total	**4.2**	**<4.2**	**07/29/2016**

Comments: EX-PCB

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ANALYSIS REPORT

Polychlorinated Biphenyls in Air

Sample Number	**SV728-P3**	Received	07/29/2016
Lab Sample ID	16248389	Matrix	Air
Initial Sample Size	612 L	Units of Result	ug/m3

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	0.49	< 0.49	07/29/2016
Aroclor-1221	0.49	< 0.49	07/29/2016
Aroclor-1232	0.49	< 0.49	07/29/2016
Aroclor-1242	0.49	< 0.49	07/29/2016
Aroclor-1248	0.49	< 0.49	07/29/2016
Aroclor-1254	0.49	1	07/29/2016
Aroclor-1260	0.49	< 0.49	07/29/2016
PCBs, Total	**0.49**	**1**	**07/29/2016**

Comments: TWA2-PCB

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Quality Control Results

Project Number:	0761061	SDG Number:	1615586
		Project Manager:	Amani Moss

QC Batch(es): **Q467** Analysis Method: **5503**
QC Batch Method: 5503PR Analysis Description: Polychlorinated Biphenyls in Air
Preparation Date: 07/29/2016

Blank: BLK-1615586

Analyte	Blank Result	Units	DF	RL	Control Limit	Qualifiers
Aroclor-1016	ND	ug/m3	1	0.040	0.04	
Aroclor-1221	ND	ug/m3	1	0.040	0.04	
Aroclor-1232	ND	ug/m3	1	0.040	0.04	
Aroclor-1242	ND	ug/m3	1	0.040	0.04	
Aroclor-1248	ND	ug/m3	1	0.040	0.04	
Aroclor-1254	ND	ug/m3	1	0.040	0.04	
Aroclor-1260	ND	ug/m3	1	0.040	0.04	
PCBs, Total	ND	ug/m3	1	0.040	0.04	
Surrogates:				% Rec		
Tetrachloro-m-xylene			1	95	40-140	
Decachlorobiphenyl			1	98	40-140	

Lab Control Sample: LCS-1254-1615586

Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	% Rec Limits	Qualifiers
Aroclor-1254	1250	ug/m3	1	1500	83	40-140	
Surrogates:							
Tetrachloro-m-xylene			1		95	40-140	
Decachlorobiphenyl			1		97	40-140	

Lab Control Sample: LCS-1016+1260-1615586
Lab Control Sample Duplicate: LCS Dup-1016+1260

Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	Limits	RPD	RPD Limit	Qualifiers
Aroclor-1016	1170	ug/m3	1	1500	78	40-140			
	1190			1500	79	40-140	1	50	
Aroclor-1260	1160	ug/m3	1	1500	77	40-140			
	1160			1500	77	40-140	0	50	
Surrogates:									
Tetrachloro-m-xylene			1		95	40-140			
					95	40-140			
Decachlorobiphenyl			1		97	40-140			
					97	40-140			

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Surrogate Recovery Summary Report

Client NorthStar CG, LP **SDG Number** 1615586

Project 0761061

Customer Sample ID	Lab Sample ID	Analyte	Recovery	Limits
SV728-P1	16248387	Decachlorobiphenyl	101%	40-140
SV728-P1	16248387	Tetrachloro-m-xylene	98%	40-140
SV728-P2	16248388	Decachlorobiphenyl	97%	40-140
SV728-P2	16248388	Tetrachloro-m-xylene	94%	40-140
SV728-P3	16248389	Decachlorobiphenyl	99%	40-140
SV728-P3	16248389	Tetrachloro-m-xylene	95%	40-140
BLK-1615586	BLK-1615586	Decachlorobiphenyl	98%	40-140
BLK-1615586	BLK-1615586	Tetrachloro-m-xylene	95%	40-140
LCS Dup-1016+1260	LCS Dup-1016+1260	Decachlorobiphenyl	97%	40-140
LCS Dup-1016+1260	LCS Dup-1016+1260	Tetrachloro-m-xylene	95%	40-140
LCS-1016+1260-1615586	LCS-1016+1260-1615586	Decachlorobiphenyl	97%	40-140
LCS-1016+1260-1615586	LCS-1016+1260-1615586	Tetrachloro-m-xylene	95%	40-140
LCS-1254-1615586	LCS-1254-1615586	Decachlorobiphenyl	97%	40-140
LCS-1254-1615586	LCS-1254-1615586	Tetrachloro-m-xylene	95%	40-140

* Recovery outside limits

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: **1615586** Contract:

Determination: **5503 PCB Aroclors <Air>**

Run	Sample	Source	Analyzed	Analyte	True	Found	Unit	% Rec	Limits
R000460	CCV1-1016-1260	PCB_2016-1-10	07/29/2016	Aroclor-1016	0.1	0.087	ug/mL	87	80-120
		PCB_2016-1-10	07/29/2016	Aroclor-1260	0.1	0.085	ug/mL	85	80-120
	CCV1-1254	PCB_2016-1-11	07/29/2016	Aroclor-1254	0.1	0.091	ug/mL	91	80-120
	ICV 1016-1254-1260	PCB_2016-1-15	07/29/2016	Aroclor-1016	0.1	0.087	ug/mL	87	85-115
		PCB_2016-1-15	07/29/2016	Aroclor-1254	0.1	0.091	ug/mL	91	85-115
		PCB_2016-1-15	07/29/2016	Aroclor-1260	0.1	0.085	ug/mL	85	85-115
	CCV2 -1016-1260	PCB_2016-1-10	07/29/2016	Aroclor-1016	0.1	0.102	ug/mL	102	80-120
		PCB_2016-1-10	07/29/2016	Aroclor-1260	0.1	0.102	ug/mL	102	80-120
	CCV2-1254	PCB_2016-1-11	07/29/2016	Aroclor-1254	0.1	0.102	ug/mL	102	80-120

% Rec = Percent recovery

* = Percent recovery not within control limits

NorthStar CG, LP
8160 304th Avenue SE, Issaquah, WA 98027
Tel: 800-862-4687 Fax: 425-881-5935

CHAIN of CUSTODY

1615586

Laboratory: NWL
Lab Batch #:
Laboratory Address: 4708 Aurora Ave N
Northstar Job #: 0761061
Project Manager: Amani Moss
Total Samples: 3
Project Name/Location: Sky Valley Education Center; 351 Short Columbia Street, Monroe, WA 98272

Turn Around Time (check one) ___1 Hr ___2 Hrs ✓ 4 Hrs ___24 Hrs ___2 Days ___3 Days ___5 Days ___Other:

EMAIL RESULTS TO: ncmairsample@northstar.com
425-881-5935 (Corporate Office) *AND* (check all that apply):
Jolson@northstar.com (Job site) Attn: Jason Olson
(Client) Attn:

(check one)

___ Asbestos Air Sample (PCM) ___ Asbestos Air Sample (TEM NIOSH 7402) ___ Asbestos Air Sample (TEM AHERA)
___ Asbestos Bulk Sample (PLM) ___ Asbestos Bulk Sample (PLM Point Count) ___ Lead Bulk Sample (Paint Chips)
___ TCLP ___ Silica Respirable Dust / Nuisance Dust ✓ Other: PCB

Seq.	Lab ID #	Northstar Sample Number	Comments	A/R
1		SV728-A1	TWA1 - PCB	
2		SV728 - A2	EX - PCB	
3		SV728 - A3	TWA2 - PCB	
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				

	Print Name	Signature	Date	Time
Sampled By	Jason Olson		7-29-16	11:00
Relinquished By			7/29/16	12:10
Received By			7/29/16	1215
Analyzed By	Shalini Patel		7-29-16	1800
Results Faxed By				

Special Instructions:

____ Keep air samples longer than two weeks (call Project Manager for length of time)

PU F

Northstar

AIR SAMP IG DATA SHEET

Sheet 1 of 1

Project: Sky Valley Education Center Job #: 0761061 Competent Person: Jason Olson Sample Date: 7-28-16

Sample No.	Sample type	Pump Model	Name/Worker cert #/Soc. Sec #/tasks	# emp. rep.	PPE worn	Time (24hr)	Flow Rate (lpm)	Sample vol. (liters)	LOD (F/cc)	Results (F/field)	Results (F/cc)
SV728-P1	TWA	BDXII	caulk removal Noel Jimenez 2017026905A		HCV HF, HE, ST RG	On 7:30	Pre 2.4				
		Pump No. 52434	Location/Description/Interferences Annex Bldg Room E		Controls ME HV DV	Off 9:30	Post 2.4				
						Total min 120	Avg 2.4				
SV728-P2	EX	BDXII	caulk removal Noel Jimenez 2017026905A		HCV HF HE ST RG	On 9:30	Pre 2.4				
		Pump No. 52434	Location/Description/Interferences Annex Bldg Room E		Controls ME HV DV	Off 10:00	Post 2.4				
						Total min 30	Avg 2.4				
SV728-P3	TWA 2	BDXII	caulk removal Noel Jimenez 2017026905A		HCV HF HE ST RG	On 10:00	Pre 2.4				
		Pump No. 52434	Location/Description/Interferences Pod Room 19		Controls ME HV DV	Off 2:15	Post 2.4				
						Total min 255	Avg 2.4				

Personal Sample Codes
TWA = Time Weighted Average EX = 30 minute Excursion
Number TWA sample sets: TWA1 = first set, TWA2 = second set
All personal samples are to be collected in the employee's breathing zone

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FF = air purifying full face
PAPR = powered air purifying respirator
SAP = Type C pressure demand
SAC = Type C continuous flow

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ST = stack cartridge

Other PPE codes
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HCV = hooded coverall
B = boots HO = hood
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LG = leather gloves

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HE = HEPA exhaust DE = outside decon CL = Clearance
*Must use a location description: example - 3' north and 5' west of Column L1, approx 5' high

Control codes
G = Glove bag HV = HEPA vacuum W = Wet methods
NPE = Negative pressure enclosure DV = Decon with vacuum AM = Alternate means
ME = Mini-enclosure DS = Decon with shower PW = Prep Work
WTD = work area tear down

Calibration Data					
Low Flow	Rotometer Mfg. OWER	Model # LF-1	Serial # 15138562	Calibration date 12-21-15
High Flow	Rotometer Mfg.	Model #	Serial #	Calibration date

I certify that the above samples were taken in compliance with applicable standards, regulations and project specifications.

Sampler name	Signature	Cert #	Exp. date	Sampler firm	Date
Jason Olson	[signature]	2016025946A	12-30-16	Northstar	7-29-16

AIHA Accreditation # NVLAP Accreditation #

FOR LAB USE ONLY

Lab	Analyst name	Signature	Analysis date	Reviewer	Date
NVL	Chalini Patel	[signature]	7-29-16		

1615586

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NorthStar Daily Field Report

Project Name	Sky Valley Education Center	Project No.	0761061	Field Report No.	1
Address	331 Short Columbia Street	Date	7-19-16	Page	1 of 1
City and County	Monroe Snohomish	Arrival Time	7:00 am	Departure Time	3:30
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log	Daily Assessment	Y	N
Arrive on site 7:00 am.	Air monitoring conducted		
crew size: 1 man hours =	Air monitoring data posted		
	Permit(s) current		
Met with custodian & designated a lay down	Daily Pre-Task Completed		
area for our tools, equip. etc.	Containment inspected		
Using Annex bldg room B.	PPE available/used		
Another Abatement contractor (water) is still in	Safety mtg/topic		
process of tearing down + loading out of annex.	Engineering controls used		
custodian wants to water scrub all the floors	Fugitive dust control		
in here. So I am limited to this Room B	Liquid effluent control		
for now.	Manometer -.02" or greater		
	Items of note documented		
Rcvd delivery + loaded everything into	Consumables inventory		
Room B.	Project book on site		
Walked the job site w/prints + started marking	Project drwgs on site		
out work areas while they are locating	Project photos		
areas near Room B.	Project specs on site		
	Any damages noted		
Checked in everything on the order. Looks	Purchase requests		
to be everything is here with some substituting	Equipment requests		
Like ~~tape~~ 12 gal HEPA vac instead of	Schedule change/impact		
curvac, 8' ladder instead of 6' podium, etc.	Daily reports completed/faxed		
	Client issues addressed		
Partially set up 1st containment	Job site secured		
Locked up tools, turned out lights. Door Locked	T&M Work Performed		
left site secured @ 3:30	Cleaned Water Cooler		

Remarks

☐ The contents of this field report were discussed with the client's on site representative.

☐ A preliminary copy of this field report was left on site. Recommendations contained herein are subject to change pending review by the PM.

Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Education Center	Project No.	0761061	Field Report No.	2
Address	351 Short Columbia Street	Date	7-26-16	Page	1 of 1
City and County	Monroe Snohomish	Arrival Time	6:00 am	Departure Time	2:30 pm
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log

Arrive on site 6:00 am

Crew size: 12 x 8 hrs = 96 hrs.

Took a PCB class in morning.
Job walk w/crew.
Pre task. Stretch + flex.

Unload delivery from truck.

Spent the rest of morning building/setting up containments in areas require abatement in Annex Bldg + North Pod Bldg. Set up De-con prepped areas w/neg. air w/ charcoal filters Room E, west E, F, Prep F. + Rooms 18, 16, 17, 19, 20, 15, 14

To access the Greenhouse + north side of Annex Bldg. A lot of bushes + debris were removed to make room to lay drops + set up ladders. I asked + got approval from School Rep.

We are coming in right behind flooring demo crew. So as they finish the floor in one of the rooms in Pod Bldg. we start setting up mini enclosures w/ De-con.

Daily Assessment	Y	N
Air monitoring conducted		✓
Air monitoring data posted		✓
Permit(s) current	✓	
Daily Pre-Task Completed	✓	
Containment inspected		✓
PPE available/used		✓
Safety mtg/topic emergency	✓	
Engineering controls used		✓
Fugitive dust control		✓
Liquid effluent control		✓
Manometer -.02" or greater		✓
Items of note documented		✓
Consumables inventory		✓
Project book on site	✓	
Project drwgs on site	✓	
Project photos	✓	
Project specs on site	✓	
Any damages noted		✓
Purchase requests		✓
Equipment requests		✓
Schedule change/impact	✓	
Daily reports completed/faxed	✓	
Client issues addressed	✓	
Job site secured	✓	
T&M Work Performed		✓
Cleaned Water Cooler		✓

Review

☐ The contents of this field report were discussed with the client's on site representative.

☐ A preliminary copy of this field report was left on site. Recommendations contained herein are subject to change pending review by the PM.

Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Education Center	Project No.	0761061	Field Report No.	3
Address	351 Short Columbia Street	Date	7-27-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00	Departure Time	2:30
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log

Arrive on site 6:00 pm

crew size 10 - 8 hours = 80 hours
Pretask, stretch + flex
Remove caulking around windows + ceiling beams.
caulking has been determined to contain asbestos + PCB's. Outside work today.
ANNEX Bldg. N + S sides.
We prepped all work areas, cleared out any debris. Lay poly drops. Regulate work area.

Remove caulk using manual methods - RAZOR knives, + scrapers, 5 in 1, cut out knife, all hand tools.
Wear all proper PPE. Run personal air monitoring.
HEPA vacuum + final clean work areas.

Roll up all drops + remove banner tape at end of shift.

Continue set up in pod (N) Bldg with enclosure, decon + neg air.

Left site secured at 2:30 pm

Recvd PUF tubes for personal air monitoring of PCB's. will start monitoring work on inside of Bldg in enclosures set up yesterday.

Daily Assessment	Y	N
Air monitoring conducted	✓	
Air monitoring data posted		✓
Permit(s) current	✓	
Daily Pre-Task Completed	✓	
Containment inspected	✓	
PPE available/used	✓	
Safety mtg/topic	✓	
Engineering controls used	✓	
Fugitive dust control	✓	
Liquid effluent control	✓	
Manometer -.02" or greater		✓
Items of note documented		✓
Consumables inventory		✓
Project book on site	✓	
Project drwgs on site	✓	
Project photos	✓	
Project specs on site	✓	
Any damages noted		✓
Purchase requests	✓	
Equipment requests		✓
Schedule change/impact		✓
Daily reports completed/faxed	✓	
Client issues addressed	✓	
Job site secured	✓	
T&M Work Performed		✓
Cleaned Water Cooler		✓

Review

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Client Representative	Project Superintendent Jason Olson	PM Amani Moss

NorthStar Daily Field Report

Project Name	Sky Valley Education Center	Project No.	0761061	Field Report No.	4
Address	351 Short Columbia Street	Date	7-28-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00 AM	Departure Time	2:30 PM
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather	Sunny - hot		

Daily Log	Daily Assessment	Y	N
Arrive on site 6:00 AM	Air monitoring conducted	✓	
	Air monitoring data posted		✓
crew size 12. 1 sup 2 hrs late x 8 hours = 94	Permit(s) current	✓	
	Daily Pre-Task Completed	✓	
Pre task, stretch + flex	Containment inspected	✓	
	PPE available/used	✓	
Continue removing caulking. Annex bldg.	Safety mtg/topic	✓	
Discovered a layer of caulking across the	Engineering controls used	✓	
the top of window frames where it meets the	Fugitive dust control	✓	
roof overhang. Discussed it w/ PBS rep. (Cal) + my	Liquid effluent control	✓	
superintendent + determined it best to remove it	Manometer -.02" or greater		✓
as well. It looks white, but after removing a	Items of note documented		✓
piece of it, you can see it is gray like	Consumables inventory		✓
the rest of window caulking + painted over w/white	Project book on site	✓	
paint. Set up baker scaffold, layed poly drops	Project drwgs on site	✓	
+ removed there all windows called out on survey.	Project photos	✓	
Treated the work as ACM removal with appropriate	Project specs on site	✓	
methods, PPE, + air monitoring.	Any damages noted		✓
	Purchase requests		✓
Also the outside of window in prep room #5 had	Equipment requests		✓
gray caulking. Removed that caulking in the same	Schedule change/impact		✓
manner (as ACM) There is a wood panel	Daily reports completed/faxed	✓	
in that window - the top piece) with gray caulk.	Client issues addressed	✓	
PBS rep. had asked for that to be removed	Job site secured	✓	
as well.	T&M Work Performed		✓
	Cleaned Water Cooler		✓

All work areas on South side of ANNEX have been completed, inspected, + cleared. We are waiting for the sealant to finish the work + tear down poly enclosures.

Began the work inside of Annex Bldg. Work performed inside M.E., neg. AIR machine vented outside, PPE, air monitoring for PCB.

Still working on Enclosures on the North side + 2 outside spots.

Final clean work areas, put away tools, locked doors + windows. Left it secured 2:30

REVIEW

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Client Representative	Project Superintendent	PM
	Jason Olson	Amani Moss

NorthStar Daily Field Report

Project Name	Sky Valley Education Center	Project No.	0761061	Field Report No.	5
Address	351 Short Columbia Street	Date	7-29-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00 AM	Departure Time	2:30
State / Zip	WA 98272	Superintendent	Jason Osw	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather	Sunny - Hot		

Daily Log

Arrive on site 6:00 AM

crew size 2 — 8hours = 96 hours

Pretask - Stretch + Flex. - Remove caulking in Pod Bldgs. + Annex Bldg.

Completed all inside work in Annex Bldg. Inspected + cleared. Just waiting for sealant. 2 spots left on exterior, landscape crew was working at those spots, we'll finish this Bldg. tomorrow

Work Pod Bldg - inside work is nearly complete began work on the outside, completed 3 areas.

turned in all air samples that have been run. Am continuing air monitoring for PCBs.

Placed order w/warehouse

Final cleaned all work areas. Put away tools + equip. Locked all doors + windows.

Left neg. air machines scrubbing for the weekend.

Daily Assessment	Y	N
Air monitoring conducted	✓	
Air monitoring data posted		✓
Permit(s) current	✓	
Daily Pre-Task Completed	✓	
Containment inspected	✓	
PPE available/used	✓	
Safety mtg/topic	✓	
Engineering controls used	✓	
Fugitive dust control	✓	
Liquid effluent control	✓	
Manometer -.02" or greater		✓
Items of note documented		✓
Consumables inventory	✓	
Project book on site	✓	
Project drwgs on site	✓	
Project photos	✓	
Project specs on site	✓	
Any damages noted		✓
Purchase requests		✓
Equipment requests		✓
Schedule change/impact		✓
Daily reports completed/faxed	✓	
Client issues addressed	✓	
Job site secured	✓	
T&M Work Performed		✓
Cleaned Water Cooler		✓

Review

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Client Representative	Project Superintendent	PM
	Jason Osw	

DATE: 7-26-16

NAV

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Active		Supervision	0.00	0.00	53.88	8+8		16	
				0.00	53.88				
		Install Poly Walls	SF	27,024.00	108.10	60		60	
		Install Poly Floors	SF	6,500.00	16.25	20		20	
		Install Drops	SF	6,500.00	10.83	1		1	
		Install Neg Airs	EA	32.00	32.00	1		1	
		Install Decons	EA	32.00	96.00	6		6	
		Misc. Set Up (Hrs)	EA	30.00	30.00				
		Remove Poly Walls	SF	27,024.00	36.03				
		Remove Floors	SF	6,500.00	8.67				
		Remove Drops	SF	6,500.00	8.67				
		Remove Neg Airs	EA	32.00	16.00				
		Remove Decons	EA	32.00	64.00				
		Misc. Cleanup (Hrs)	EA	30.00	30.00				
				80,236.00	456.54				
		General Foreman Walk (Hrs)	EA	1.00	4.00				
		Job Site Mobilization (Hrs)	EA	1.00	6.00				
		Job Demobilization (Hrs)	EA	1.00	6.00				
				3.00	16.00				
		Caulking	LF	4,585.00	655.00				
		Clean Substrate With Tsp	LF	4,585.00	152.83				
		Load Out (Number Of Bags)	BAGS	162.75	12.63				
				9,332.75	820.47				
Active Total				89,571.75	1,346.89	104		104	

ED_004522_00089866-00461

DATE: 7-26

NAVY

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FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss

Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Grand Total				89,571.75	1,346.89	184		184	

ED_004522_00089866-00462

DATE:	7-27-16

NAV

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FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Active		Supervision	0.00	0.00	53.88	8		24	
				0.00	53.88				
		Install Poly Walls	SF	27,024.00	108.10	16		76	
		Install Poly Floors	SF	6,500.00	16.25	8		28	
		Install Drops	SF	6,500.00	10.83			1	
		Install Neg Airs	EA	32.00	32.00			1	
		Install Decons	EA	32.00	96.00	16		22	
		Misc. Set Up (Hrs)	EA	30.00	30.00				
		Remove Poly Walls	SF	27,024.00	36.03				
		Remove Floors	SF	6,500.00	8.67				
		Remove Drops	SF	6,500.00	8.67	1		1	
		Remove Neg Airs	EA	32.00	16.00				
		Remove Decons	EA	32.00	64.00				
		Misc. Cleanup (Hrs)	EA	30.00	30.00				
				80,236.00	456.54				
		General Foreman Walk (Hrs)	EA	1.00	4.00				
		Job Site Mobilization (Hrs)	EA	1.00	6.00				
		Job Demobilization (Hrs)	EA	1.00	6.00				
				3.00	16.00				
		Caulking	LF	4,585.00	655.00	31	31	31	
		Clean Substrate With Tsp	LF	4,585.00	152.83				
		Load Out (Number Of Bags)	BAGS	162.75	12.63	0	5	0	5
				9,332.75	820.47				
Active Total				89,571.75	1,346.89	80	5	184	5

ED_004522_00089866-00463

DATE:	7-27-16

MAY

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FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss

Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Grand Total				89,571.75	1,346.89	80	5	184	5

ED_004522_00089866-00464

DATE: 7-28-16

NAV

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FIELD PRODUCTION REPORT
DAILY HOURS & UNITS REMOVED

Job #761061-Sky Valley Education Center

Project Manager: Amani Moss
Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Active		Supervision	0.00	0.00	53.88	7		31	
				0.00	53.88				
		Install Poly Walls	SF	27,024.00	108.10	8		84	
		Install Poly Floors	SF	6,500.00	16.25	12		40	
		Install Drops	SF	6,500.00	10.83	6		7	
		Install Neg Airs	EA	32.00	32.00	2		3	
		Install Decons	EA	32.00	96.00	6		28	
		Misc. Set Up (Hrs)	EA	30.00	30.00				
		Remove Poly Walls	SF	27,024.00	36.03				
		Remove Floors	SF	6,500.00	8.67				
		Remove Drops	SF	6,500.00	8.67	3		4	
		Remove Neg Airs	EA	32.00	16.00				
		Remove Decons	EA	32.00	64.00				
		Misc. Cleanup (Hrs)	EA	30.00	30.00				
				80,236.00	456.54				
		General Foreman Walk (Hrs)	EA	1.00	4.00				
		Job Site Mobilization (Hrs)	EA	1.00	6.00				
		Job Demobilization (Hrs)	EA	1.00	6.00				
				3.00	16.00				
		Caulking	LF	4,585.00	655.00	41		80	
		Clean Substrate With Tsp	LF	4,585.00	152.83	3		3	
		Load Out (Number Of Bags)	BAGS	162.75	12.63	X	5		10
				9,332.75	820.47				
Active Total				89,571.75	1,346.89	96	5	280	10

ED_004522_00089866-00465

DATE:	7-28-16

MAM

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FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Grand Total				89,571.75	1,346.89	96	5	280	16

ED_004522_00089866-00466

DATE: 7-29-16

NAV

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Active		Supervision	0.00	0.00	53.88	8		39	
				0.00	53.88				
		Install Poly Walls	SF	27,024.00	108.10	8		92	
		Install Poly Floors	SF	6,500.00	16.25	8		48	
		Install Drops	SF	6,500.00	10.83	4		16	
		Install Neg Airs	EA	32.00	32.00	2		5	
		Install Decons	EA	32.00	96.00	2		30	
		Misc. Set Up (Hrs)	EA	30.00	30.00				
		Remove Poly Walls	SF	27,024.00	36.03				
		Remove Floors	SF	6,500.00	8.67				
		Remove Drops	SF	6,500.00	8.67	2		6	
		Remove Neg Airs	EA	32.00	16.00	2		2	
		Remove Decons	EA	32.00	64.00	2		2	
		Misc. Cleanup (Hrs)	EA	30.00	30.00				
				80,236.00	456.54				
		General Foreman Walk (Hrs)	EA	1.00	4.00				
		Job Site Mobilization (Hrs)	EA	1.00	6.00				
		Job Demobilization (Hrs)	EA	1.00	6.00				
				3.00	16.00				
		Caulking	LF	4,585.00	655.00	56		136	
		Clean Substrate With Tsp	LF	4,585.00	152.83	2		58	
		Load Out (Number Of Bags)	BAGS	162.75	12.63		7		17
				9,332.75	820.47				
Active Total				89,571.75	1,346.89	96	7	376	17

ED_004522_00089866-00467

DATE:	7/8/16

NAV

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Grand Total				89,571.75	1,346.89	96	7	~~52~~ 376	17

ED_004522_00089866-00468

NorthStar Daily Field Report

Project Name	Sky Valley Education Center	Project No.	0761061	Field Report No.	6
Address	351 Short Columbia Street	Date	8-1-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00	Departure Time	2:30
State / Zip	WA 98272	Superintendent	Shaun Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log	Daily Assessment	Y	N
Arrive on site 6:00 am	Air monitoring conducted	✓	
	Air monitoring data posted	✓	
crew size 8, x8 hours = 64 hours	Permit(s) current	✓	
Tool Box Stretch & Flex.	Daily Pre-Task Completed	✓	
	Containment inspected	✓	
Continue remove caulking in pod bldgs. Finish last	PPE available/used	✓	
2 rooms in North pod & move into East WEST	Safety mtg/topic	✓	
Pod (center).	Engineering controls used	✓	
	Fugitive dust control	✓	
PBS consultant Greg walked through our completed	Liquid effluent control	✓	
areas & we failed every clearance.	Manometer -.02" or greater		✓
I had the guys finish the rooms they were in	Items of note documented		✓
then fall back & start final cleaning & detailing	Consumables inventory	✓	
starting in room 14 & working back towards	Project book on site	✓	
room 20.	Project drwgs on site	✓	
	Project photos	✓	
Completed detail of rooms 14-17.	Project specs on site	✓	
Also had 2 guys re clean the 4 enclosures	Any damages noted		✓
in lunch bldg Rooms E & F.	Purchase requests		✓
	Equipment requests		✓
We have to be better at scraping the	Schedule change/impact	✓	
caulk residue on metal frames & cleaning	Daily reports completed/faxed	✓	
the enclosure poly back & front.	Client issues addressed	✓	
	Job site secured	✓	
Re apply the TSP after final clean/detail.	T&M Work Performed		✓
	Cleaned Water Cooler		✓
Put away tools & equipment. Locked windows & doors in Annex &			
Pod bldgs. Some crew was still working in the library when we			
left.			
Left site locked & secured @ 2:30 - except library.			

Review

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Client Representative	Project Superintendent	PM
	S. Olson	A. Moss

NorthStar Daily Field Report

Project Name	Sky Valley Education Center	Project No.	0761061	Field Report No.	7
Address	351 Short Columbia Street	Date	8-2-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00	Departure Time	2:30
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log

Arrive on site 6:00 AM.
Crew size: 8 x 8 hours = 64
Stretch + Flex. Pretask.

Workers finished detail in N. Pod bldg. rooms 18, 19, + 20. + Continue detailing the enclosures in Annex.

1 worker removed the last exterior spot on Annex bldg. where bushes were cleared. He moved on to remove caulking around CAB panels in N. Pod on last rooms 15+14.

4 workers moved to center pod to remove caulk inside rooms 10, 11, 9+8.

1 worker still detailing in Annex rooms f. Failed 2 more visuals.

Talked w/my PM + she is bringing out some cleaner to try help removing the last little bits of Kaglove.

After arriving I tested out an enclosure + it seems to work very good.
The consultant had to leave so have to 'til tomorrow to see if we can get clearances on Annex, then the North Pods.

Locked all windows + doors in Pods + Annex.

Left site secured at 2:30

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted	✓	
Permit(s) current	✓	
Daily Pre-Task Completed	✓	
Containment inspected	✓	
PPE available/used	✓	
Safety mtg/topic	✓	
Engineering controls used	✓	
Fugitive dust control	✓	
Liquid effluent control	✓	
Manometer - .02" or greater		✓
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Education Center	Project No.	0761061	Field Report No.	8
Address	351 Short Columbia Street	Date	8-3-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00 AM	Departure Time	2:30 PM
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log

Arrive on site 6 AM

crew size 9 x 8 hrs = 72 hrs
one guy sent home - 6 hrs = 66 hrs

Stretch + Flex, Pre task

Continue removal of Caulking in Pods Bldg. + trying to pass clearance in Annex. After 1 day spent detailing Enclosures in Rooms F, the caulking was still present in way too many areas + way too much in bulk qty. worker was sent home after 1 hr.

Now 1 - worker detailing in Annex, 2 - detailing in N. Pod. 4 Removing in S. Pod.

1 - Enclosure passed inspection in Room Prep F.
1 - " " " in Room

4 rooms failed inspection in N. Pod Bldg. Marked areas of focus + have crew come back to reclean.

Placed order to warehouse + picked up tools on my home on my own time.

4 Rooms left to remove in S. Pod bldg.
2 enclosures left to final/pass in Annex.

Locked up doors + windows - tools put away.

Left site secured @ 2:30

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Review

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☐ A preliminary copy of this field report was left on site. Recommendations contained herein are subject to change pending review by the PM.

Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Education Center	Project No.	0781061	Field Report No.	9
Address	351 Short Columbia Street	Date	8-4-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00 AM	Departure Time	2:30
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather	Sunny Hot		

Daily Log

Arrive on site 6:00 AM

crew size 8 - x8 hours = 64 hrs.

Stretch + Flex, Pretask

continue as yesterday.
Detail in N.Pod. Removal in S.Pod.
Detail Enclosures in Annex Rooms E.

Failed 3 Rooms, Passed 1 so far
Re cleaning rooms in N.Pod + S.Pod + central pod.

Finally making headway. Passed 7 inspections before lunch.
Passed 2 after lunch. Clean up all work areas.

Close / lock all doors (outside) + windows in Pods + Annex. Put away all tools.

Left site secured 2:30 PM

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Review

☐ The contents of this field report were discussed with the client's on site representative.

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Client Representative	Project Superintendent	PM
	Jason	Amani

NorthStar Daily Field Report

Project Name	Sky Valley Education Center	Project No.	0761081	Field Report No.	10
Address	351 Short Columbia Street	Date	9-5-16	Page	1 of 1
City and County	Monroe Snohomish	Arrival Time	6:00	Departure Time	2:30
State / Zip	WA 98272	Superintendent	Sean Ahn	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather	Sunny Hot		

Daily Log	Daily Assessment	Y	N
On site @ 6:00 AM	Air monitoring conducted	✓	
Crew size 10 x8 = 80 hrs	Air monitoring data posted	✓	
Finished + cleared - Pod Rooms 20-14	Permit(s) current	✓	
- Pod Rooms 13, 12, 11, 9, 8	Daily Pre-Task Completed	✓	
10 " 7, 6, 5, 4	Containment inspected	✓	
Began wrapping + removing light fixtures from Annex Bldg.	PPE available/used	✓	
Required area in hallway to stage the fixtures for load out on Monday.	Safety mtg/topic	✓	
	Engineering controls used	✓	
	Fugitive dust control	✓	
	Liquid effluent control	✓	
	Manometer -.02" or greater		✓
	Items of note documented		✓
	Consumables inventory		✓
	Project book on site	✓	
	Project dwgs on site	✓	
Began prepping rooms in Admin. Bldg for caulking + removal after work 3 rooms completed - ready to add 3rd AIR & decon stage.	Project photos	✓	
	Project specs on site	✓	
	Any damages noted		✓
	Purchase requests		✓
	Equipment requests	✓	
	Schedule change/impact		✓
Locked all doors + windows, turned off lights get everything locked up for the weekend	Daily reports completed/faxed	✓	
	Client issues addressed	✓	
	Job site secured	✓	
	T&M Work Performed		✓
	Cleaned Water Cooler		✓
Left site secured @ 300 pm.			

Notes

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Client Representative	Project Superintendent	PM
	Sean	Amani

NorthStar Daily Field Report

Project Name Sky Valley Ed. Cntr.	Project No. 07-61061	Field Report No. 11
Address	Date 8-8-16	Page 1 of
City and County	Arrival Time 6:00	Departure Time 2:30
State / Zip	Superintendent	PM
Client	Client Contact Phone No.	
Client Contact	Scheduled Completion	Estimated Completion
Subcontractor(s)	Weather	

Daily Log

ON SITE 6:00 AM
Crew size :
Stretch + Flex, Pret ask

Finish caulk removal Pod 1,2,3,10

Pass Visual Clearance 1,2,3,10
Prep Enclosure work areas in Admin Bldg.
Just need any AIR + decon.
Wrap light fixtures, remove fixtures

load out fixtures

Seal up all Enclosures

Load bags int. sealed PCB drums.

Stage fixtures for processing outside N Pod
in asphalt area by Hill St.

Recv metal recycle 20 yd CAN.

clean up. work areas.

Lock doors, ~~&~~ windows, lights.

Pick up order on my way home.

Left site secure @ 2:55

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Ed. Cntr	Project No.	07 61061	Field Report No.	12
Address		Date	8-9-16	Page	1 of
City and County		Arrival Time	6:00	Departure Time	2:30
State / Zip		Superintendent	Jason	PM	Aman,
Client		Client Contact Phone No.			
Client Contact		Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log

ON site 6:00 am

Crew size 10 x8hrs = 80hrs

Stretch + flex, Pre-task

Finish Removing light fixtures from Annex. Start removing light bulbs + fixtures from Nord Pod - Rooms 20-13 including rooms in center of pod.
Processing light fixtures by cutting out the center of the fixtures where the ballast in housed, disposing of that section into PCB Drums. Then we removing the poly from the rest of the fixture + throw into metal recycling can. We bag up the poly + dispose of into pcb barrel as contaminated, in case any dust settled on it during removal, transport + processing. All workers working w/ light fixtures in PPE, all PPE (suits, gloves, filters are going in PCB barrels as contaminated waste.
Waiting for light tube barrels to load out all the flourescent 8' + 4' bulbs.

Prepped Annex Bldg (inside) for sealant paint (4 enclosures) taping off a 2" barrier for the application so it leaves clean finish lines + tape off windows to prevent having to clean.

Locked all doors + windows, most lights are removed so only 1 bldg left to check that lights off.

Left sight secured 2:30

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Ed. Cntr	Project No.	07 61061	Field Report No.	13
Address	351 Short Columbia St	Date	8-10-16	Page	1 of 1
City and County	Monroe Snohomish	Arrival Time	6:00 AM	Departure Time	2:30
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log

on site 6:00 AM

crew size 10 x8 hrs = 80 hrs

stretch + flex, pre-task.

Finish removing light fixtures from North Pod Bldg.
Finish classes on center Pod Bldg. + ½ way through South Pod classes on light fixture removal. Have to come back to remove fixtures in the common area rooms are full of furniture, etc. In center + South Pods - 4 workers

I found 3 more fixtures in Annex - must remove tomorrow.

1 worker spent all day processing light fix. removing ballast section + putting in barrel. The rest of the metal fixture went into metal recycle can.

2-workers prepped all day for sealant paint. Finished in the Annex. Almost finished North pod. 2 rooms to go (clearance samples were running)

2-workers removed caulk from 2 Admin Bldg. Rooms + started outside removal on center pod

Recvd order from warehouse today. No red sealant - supposed to be here tomorrow! No charcoal filters for neg. air machines - need desparately.

Locked up all windows + doors. All lights off. Left secured @2:30

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Ed. Cntr	Project No.	07 61061	Field Report No.	14
Address	351 Short Columbia St	Date	8-11-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00 AM	Departure Time	2:30 PM
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log

on site 6:00 AM.

crew size 10 x 8 hrs = 80 hours

Stretch + flex, pre-task.

Finish Removing light fixtures on all outside pod Rooms. Load out fixtures to processing area.

4 workers removing fixtures. Removal done at lunch. After lunch 2 loading out fixtures

1 worker processing fixtures all day
1 worker processing after lunch
1 worker collecting light bulbs + putting in tubes, after lunch.

2 workers prepping for paint all day.

2 workers removing caulk outside pod bldgs on CAB panels.

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Ed. Ctr	Project No.	07 61061
Address	1331 Short Columbia St.	Date	8-12-16
City and County	Monroe Snohomish	Arrival Time	
State / Zip	WA 98272	Superintendent	Sean Olson
Client	Monroe School District	Client Contact Phone No.	
Client Contact	John Mauer	Scheduled Completion	Estimated Completion
Subcontractor(s)		Weather	

Daily Log	Daily Assessment	Y	N
	Air monitoring conducted		
On site at 6:00 am	Air monitoring data posted		
	Permit(s) current		
Shotcrete flex, Pre-Task	Daily Pre-Task Completed		
	Containment inspected		
Crew size 10 x 8 hrs = 80 hrs	PPE available/used		
	Safety mtg/topic		
Finish remove caulk on exterior of pods.	Engineering controls used		
	Fugitive dust control		
Start remove caulk Exterior of Main Bldg.	Liquid effluent control		
	Manometer -.02" or greater		
Truck apply two component required specs of	Items of note documented		
sealant. Mixed per specs as directed +	Consumables inventory		
in batch Satisfied in 20 minutes	Project book on site		
	Project drwgs on site		
Continue up w/ new plan for application	Project photos		
	Project specs on site		
	Any damages noted		
2 guys processing lights all day	Purchase requests		
	Equipment requests		
2 guys Remove caulk all day	Schedule change/impact		
	Daily reports completed/faxed		
4 workers prepping unit 900 level	Client issues addressed		
2 remove caulk	Job site secured		
2 Repair caulk/mortar, two 1 to Monday	T&M Work Performed		
	Cleaned Water Cooler		
1 worker apply epoxy until 2:30 (4/me);			
then went to light tubes, new Main caulk			
Need Charcoal Filters			

Remarks

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name Sky Valley Ed. Cntr	Project No. 07 61061	Field Report No. 16
Address 351 Short Columbia St	Date 8-15-16	Page 1 of
City and County Monroe Snohomish	Arrival Time 6:00 AM	Departure Time 2:30 PM
State / Zip WA 98272	Superintendent Jason Olson	PM Amani Moss
Client Monroe School District	Client Contact Phone No.	
Client Contact John Mannix	Scheduled Completion	Estimated Completion
Subcontractor(s)	Weather Sunny - hot	

Daily Log

On site 6:00 AM

Crew size 9 - x8hrs = 72 hours

Stretch + Flex, Pretask.

Spoke w/ Devlin he needs the Pods light fixture 100% removed, so I had 4 guys go back + remove the 4 fixtures in the East pod + South Pod common areas working around the furniture + items in the way. Those got done, lights wrapped + staged for processing. Bulbs put in barrels everything 100% done.

2 guys removing caulk on Admin Exterior

2 workers setting up neg. airs in North pod + changing all the charcoal filters, ready for sealant application then they continued prepping the (last) south pod for paint - sealant.

Sealant arrived - the correct color, etc. Got a new metal can delivered. Recvd delivery from warehouse w/ more barrels.

After lunch, 1 worker prepping, 2 workers painting, 2 removing light bulbs + fixtures, 3 removing caulk on Admin exterior.

The red sealant is hard to cover the metal window frames, Looks beautiful on the wood beam + brick surfaces.

Cleaned up all work areas, put away tools, locked up doors + windows

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Ed. Catr	Project No.	07 61061	Field Report No.	17
Address	1351 Short Columbia St	Date	8-16-16	Page	1 of 1
City and County	Monroe Snohomish	Arrival Time	6:00	Departure Time	2:30
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amami Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather	SUNNY hot		

Daily Log

ON site 6:00 AM

crew size 9 x 8 hrs = 72 hrs

Stretch + Flex, Pretask

2- workers applying sealant - Red coat. Starting in Annex Rooms F and finishing in N. Pod room 15. Rooms E were painted on yesterday. Consultant inspected 1st COAT, we re-did some spots, then all the Annex rooms passed inspection w/ photos.
After lunch applied tan (2nd) coat to all inside Annex rooms + part of the North pod.

3- workers removing caulk on Admin Bldg. Finished the Northside windows. Started on South side. The caulk across the tops of all the south facing windows appears + (beams) to be a different material, still kinda gray but soft as chewed gum. The bottom horizontal under the window chanel appears tan/yellowish + consulted w/ CEL + specs. + Determined we should remove it all.

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

1- worker prepping ahead of the sealant, all pods + 2 Admin rooms Ready cleaned behind the sealant to clean up drips + runs.
2- worker removing light bulbs + fixtures in Gathering room + kitchen The area is very crowded w/ furniture, computers, school supplies. They had to work with custodians to move stuff out of the way - remove + move stuff back to gain access to the fixtures. All the lights are removed except music room.

Walked jobsite locked all doors, closed windows, locked tools. Left secured 2:30

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name: Sky Valley Ed. Ctr.	Project No.: 07 6106	Field Report No.: 18	
Address: 1351 Short Cleveland St	Date: 8-17-16	Page: 1 of	
City and County: Monroe Snohomish	Arrival Time: 6:50	Departure Time: 2:30	
State / Zip: WA 98272	Superintendent: Sean Olson	PM: Russell Mast	
Client: Monroe School District	Client Contact Phone No.		
Client Contact: John Mauro	Scheduled Completion	Estimated Completion	
Subcontractor(s)	Weather		

Daily Log	Daily Assessment	Y	N
On Site 6:00 AM	Air monitoring conducted		
	Air monitoring data posted		
Crew inc 9 x 8 hrs = 72 hrs	Permit(s) current		
	Daily Pre-Task Completed		
Stretch + flex, Pre task.	Containment inspected		
	PPE available/used		
3- workers removing caulk admin bld. outside	Safety mtg/topic		
2- workers painting sealant	Engineering controls used		
2- workers remove lights + process until lunch	Fugitive dust control		
- set enclosure in room ex. room	Liquid effluent control		
- remove caulk 1-hour	Manometer -.02" or greater		
1- worker tear down containment, relocate negs-	Items of note documented		
air machines, remove masking + debri after	Consumables inventory		
sealant passed visual inspections	Project book on site		
	Project dwgs on site		
1- supervisor	Project photos		
	Project specs on site		
	Any damages noted		
	Purchase requests		
	Equipment requests		
	Schedule change/impact		
	Daily reports completed/faxed		
	Client issues addressed		
	Job site secured		
	T&M Work Performed		
	Cleaned Water Cooler		

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name: Sky Valley Ed. Ctr	Project No.: 07 6106	Field Report No.: 19	
Address: 1351 Short Columbia St	Date: 8-18-16	Page: 1 of	
City and County: Monroe Snohomish	Arrival Time: 6:00	Departure Time: 2:30	
State / Zip: WA 98272	Superintendent: Sean Allen	PM: Kumi Mori	
Client: Monroe School District	Client Contact Phone No.:		
Client Contact: John Mauney	Scheduled Completion:	Estimated Completion:	
Subcontractor(s):	Weather:		

Daily Log	Daily Assessment	Y	N
6:00 AM audit, gate was open-unit normal	Air monitoring conducted		
	Air monitoring data posted		
crew size 9 x 8hrs = 72 hrs.	Permit(s) current		
	Daily Pre-Task Completed		
Stretch flex, Pre-task	Containment inspected		
	PPE available/used		
Finish setting up enclosures in Admin Bldg.	Safety mtg/topic		
	Engineering controls used		
3-workers remove caulk Admin Bldg interior	Fugitive dust control		
all enclosures passed inspection by lunch	Liquid effluent control		
Prepped Admin. for sealant application.	Manometer -.02" or greater		
2-workers applied sealant -led east to the	Items of note documented		
rest of the pods.	Consumables inventory		
	Project book on site		
2-workers moved our office/laydown area	Project drwgs on site		
out of Annex Bldg. 2 worker dismantled bldg.	Project photos		
Except for one AHC Specialist/electrician	Project specs on site		
we are 100% out of Annex Bldg!	Any damages noted		
	Purchase requests		
Walked jobsite with Rep. from EPA	Equipment requests		
answered questions, discussed work methods	Schedule change/impact		
He seemed very satisfied with what we	Daily reports completed/faxed		
have completed & how we completed. He wanted	Client issues addressed		
to take a sample of caulk from a window	Job site secured		
that had passed inspection, but without sealant	T&M Work Performed		
We couldn't find anything to get a sample	Cleaned Water Cooler		
from.			
Completed enclosure in Home Ec. Room. +2 workers			
were in there after lunch.			
Had the custodian make way-move furniture etc. for our last			
workareas in the peripheral gym areas. Completed another			
enclosure after lunch.			
Closed all the windows in pods that were just painted.			
Left site locked + secured @ 2:30PM			

Remarks

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Ed. Cntr	Project No.	07 61061	Field Report No.	20
Address	351 Short Columbia St	Date	[redacted] 8-19-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00	Departure Time	2:30
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Mass
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log

on site 6:00 AM

crew size 8 x 8 hrs = 64 hours

stretch + flex, Pretask.

Finish pulling light fixtures in Pod Bathrooms
Finish enclosure by cafeteria, set up another one + started work in there. After that one cafeteria area is completed.

Finish putting 2 coats of sealant on admin. Bldg.
All pods have red coat on.

Set up neg. airs w/charcoal filters to run all weekend for help w/air clearances on Mon. in Annex.

One worker seems to have adverse reaction to the sealant. After applying all yesterday his is broken out like acne. I switched him (J.G.) out + had someone else apply, his head hurts. ~~[illegible]~~ epoxy fumes from this sealant are very strong - we open all windows + doors + run, to large neg. AIR to ventilate + get fresh air to the applicators. I applied epoxy in the afternoon + felt sick all the next day. workers are wearing charcoal filters ½ face APR, plastic suits + rubber gloves + glasses, don't know how else to protect.

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Ed. Cntr	Project No.	07 61061	Field Report No.	21+22
Address	351 Short Columbia St	Date	8-22-16 / 8-23	Page	4 of
City and County	Monroe Snohomish	Arrival Time	6:00 am	Departure Time	4:30 pm
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log	Daily Assessment	Y	N
on site 6:00 am	Air monitoring conducted		
	Air monitoring data posted		
Stretch + flex. Pre-task	Permit(s) current		
	Daily Pre-Task Completed		
Finish sealant application on South Pod.	Containment inspected		
	PPE available/used		
Finish Enclosures in Gym Bldg.	Safety mtg/topic		
	Engineering controls used		
Completed removing caulk in 4 enclosures.	Fugitive dust control		
	Liquid effluent control		
Four more areas left for tomorrow. including	Manometer -.02" or greater		
the small gym. w/ 14 areas in one	Items of note documented		
enclosure.	Consumables inventory		
8-23-16	Project book on site		
	Project drwgs on site		
6 enclosures have passed visual clearances	Project photos		
so far.	Project specs on site		
	Any damages noted		
Prepped all enclosures w/clearance for paint sealant.	Purchase requests		
	Equipment requests		
Applied sealant (red) after lunch.	Schedule change/impact		
	Daily reports completed/faxed		
Had to remove caulk on little window outside of	Client issues addressed		
gathering place because you could see the caulk from	Job site secured		
inside through the gap, where caulk on inside	T&M Work Performed		
was. Can't get a visual clearance on this one yet	Cleaned Water Cooler		

Red epoxy sealant applied to all interior enclosures except little gym + weight room. - Weight room passed visual inspection, interior door of weight room had soft gray caulk around it. We removed it.
5 workers stayed late to finish abatement in little gym. Enclosure is ready for inspection tomorrow + prepped for epoxy application.

Left site locked + secured @ 3:30 PM. Locked the front gate.

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Ed. Cntr	Project No.	07 61061	Field Report No.	23
Address	351 Short Columbia St	Date	8-24-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00 AM	Departure Time	2:30
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log

6:00 AM onsite.

Crew size 9 x8 hrs = 72 hrs

Finished removing light tubes + fixtures from music room. Fixtures wrapped + staged outside North pod for processing.

Passed visual clearance on small gym enclosure - including back storage/mech. room.

Applied red epoxy in small gym + weight room.

Applied tan epoxy in all other enclosures in gym bldg. + in weight room

Removed caulk on Exterior girls locker room window + metal column on North side of gym. Removed caulk on all exterior windows of day care + gathering place/cafeteria areas.

Recvd delivery from warehouse - organized + situated our lay down area to give some order to our tools + equipment - needed to do that since we mob to ~~[illegible]~~ little gym area.

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Removed all masking for the epoxy application from enclosures on WEST + South sides of gym. Began taking enclosures down + decons down.

Locked windows + doors.

Locked up tools. Left site secured at 3:00PM

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Ed. Cntr	Project No.	07 61061	Field Report No.	24
Address	351 Short Columbia St	Date	8-25-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00 AM	Departure Time	2:30
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log	Daily Assessment	Y	N
on site 6:00 AM	Air monitoring conducted		
	Air monitoring data posted		
crew size 9 x 8 hrs = 72 hrs	Permit(s) current		
	Daily Pre-Task Completed		
stretch + flex, Pre task	Containment inspected		
	PPE available/used		
3- remove caulk.	Safety mtg/topic		
3- tear down	Engineering controls used		
2- Paint Sealant	Fugitive dust control		
1- Supervisor	Liquid effluent control		
	Manometer -.02" or greater		
Finished caulk removal on exterior window	Items of note documented		
on Admin Bldg.	Consumables inventory		
Finished epoxy sealant on small gym.	Project book on site		
Tear down enclosures in all pods.	Project drwgs on site		
+ Finished removing masking. Vacuum clean	Project photos		
all work areas. Set up neg airs in	Project specs on site		
East pod - to vent out the bldg.	Any damages noted		
Tear down enclosures in CTE, Locker Rooms +	Purchase requests		
cafeteria. Remove + seal all neg. air.	Equipment requests		
	Schedule change/impact		
Remove caulk on exterior, gym windows +	Daily reports completed/faxed		
columns on South side. 1 window left to do.	Client issues addressed		
	Job site secured		
100% out of all pod bldgs.	T&M Work Performed		
	Cleaned Water Cooler		

Set up fall Restraint system on walkway over South side of gym for abatement on upper windows. installed ladder, railings, + plywood for weight distribution.

Locked up ladder (on ground) + tools, bldgs, + windows.

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name Sky Valley Ed. Cntr	Project No. 07 61061	Field Report No. 25
Address 351 Short Columbia St	Date 8-26-16	Page 1 of
City and County Monroe Snohomish	Arrival Time 6:00 AM	Departure Time 2:30
State / Zip WA 98272	Superintendent Jason Olson	PM Amani Moss
Client Monroe School District	Client Contact Phone No.	
Client Contact John Mannix	Scheduled Completion	Estimated Completion
Subcontractor(s)	Weather	

Daily Log

ON SITE 6:00 AM

CREW SIZE 9 X 8hrs = 72 hrs.

Pretask, stretch + flex, fall protection plan.

Begin remove caulk on upper windows of cafeteria area - exterior. We have to remove lead paint on the faschia board just above the windows, we did that while we are there, too.

Finished removing all masking + all enclosures from all the gym building areas. Only outside work is left from now on. Vacuum clean all work areas.

Found 3 columns on admin bldg. that we missed. So 3 guys are working on that after lunch to be finished by end of shift. Had to close down front doors, so the office lady put signs for people to enter through back door.

2 workers working on processing light fixtures from 10-1:30. And tear down, clean, masking removal from 6-10.

3-workers remove caulking

2-workers remove masking, tear down + setup neg airs in South pod

1-worker helping on roof, moving fall protection system + preparing to take over lead abatement next week.

2-workers had to leave 1 hour early - personal reason

Take down + lock up ladder, lock up tools, doors, + windows

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Ed. Cntr	Project No.	07 61061	Field Report No.	26
Address	351 Short Columbia St	Date	8-29-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00	Departure Time	2:30
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Miss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log

on site 6:00am

crew size 10 x 8 hrs = 80 hrs

stretch + flex, Pretask.

3-workers removing caulk on S. + West corner of gym building - upper windows + columns completed, South side completed working on finishing the West side bottom window area + columns.

2- workers painting epoxy sealant on admin exterior, starting on South side windows + columns.

1- worker removing Lead paint on tech. Bldg.
1- supervisor for that work.

2- workers removing caulk on tech blg. exterior west + East sides 10 hrs
- After lunch they tore down all enclosures in Admin Bldg. 3 hrs
- then they moved to Library to remove lights + fixtures. 3 hrs

1- supervisor

- Recvd Air Line delivery of 10 HAZMAT boxes

Locked tool box. Workers still in gym when I left, the doors were open

- Air clearances + wipe tests passed in all areas of Admin Bldg.

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name Sky Valley Ed. Cntr	Project No. 07 61061	Field Report No. 27
Address 1351 Short Columbia St	Date 8-30-16	Page 1 of
City and County Monroe Snohomish	Arrival Time 6:00	Departure Time 2:30
State / Zip WA 98272	Superintendent Jason Olson	PM Amani Moss
Client Monroe School District	Client Contact Phone No.	
Client Contact John Mannix	Scheduled Completion	Estimated Completion
Subcontractor(s)	Weather	

Daily Log

on site 6:00 am

crew size 14 x 8 hrs = 112 hours

stretch & flex, Pre task.

Finish removing all light tubes & fixtures from library — lights & fixtures are 100% finished.

6 - workers remove lights in library & stage outside in our processing area. Until lunch.

3 - workers remove caulking on West side of gym building. that side is finished.

2 - workers paint epoxy sealant on exterior of Admin Bldg. & High windows on South side of Gym Bldg. — 2nd coat tan. Consultant had us touch up the red coat in various spots on Admin Bldg. — then we applied tan coat to locations that were dry.

1 - worker removed loose & flaky lead paint from tech Bldg. Faschia board & concrete sills

1 - supervisor in charge of paint removal.

1 - supervisor - me

After lunch —
3 - workers processing lights & loading the HAZMAT Boxes.
3 - workers removing loose & flaky on Faschia board of Admin Bldg.

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name Sky Valley Ed. Cntr	Project No. 07 61061	Field Report No. 28
Address 351 Short Columbia St	Date 8-31-16	Page 1 of
City and County Monroe Snohomish	Arrival Time 6:00 AM	Departure Time 2:30
State / Zip WA 98272	Superintendent Jason Olson	PM Amani Moss
Client Monroe School District	Client Contact Phone No.	
Client Contact John Mannix	Scheduled Completion	Estimated Completion
Subcontractor(s)	Weather	

Daily Log

on site 6:00 am

Crew size 14 x 8 hrs = 112 hours

stretch & flex, Pre-task.

Finished caulk removal on Tech Bldg w/visuals.
Finished lead paint removal on Tech Bldg.
Finished lead paint removal on Annex fashion,
started removing loose + flaky on the overhang.

Failed visual on W. side gym bldg. A bead of caulk (yellowish) didn't get removed. Instead of arguing + wait for sample results - 2 workers went back to remove that area.

Began Demo of covered walkway on South of gym bldg.

Finished processing light fixtures. put all light tubes into barrels. 2 workers there are now unloading barrels into hazmat boxes to save on Disposal costs. They completely cleaned their messed up work area.

Had 1 - metal 20yd container hauled away, recvd empty 35 yd container to load w/metal debris + last of light fixtures.

Recvd a demab truck and sent back to warehouse all of our neg air machines + decon frames + empty water bottles jugs.

2.5 - workers paint sealant
2 workers concrete sill - 4 hrs
2 workers processing lights + loading hazmat boxes - 16 hrs

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Ed. Cntr	Project No.	07 61061	Field Report No.	29
Address	351 Short Columbia St	Date	9-1-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00	Departure Time	2:30
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log

on site 6:00 am

crew size 14 x 8 hrs = 112 hrs

Stretch + flex Pre-task. Moved all our equipment + tools out of gym bldg. for air sample.

2-workers filling hazmat boxes, empty barrels to save on dump fee.
after that finished 2 workers moved to East side of ADMIN bldg to prep overhang for paint - scrape loose + flaky.

3-worker prep. walkway substrate from Annex to North west end of gym bldg. Finished the day loading out metal debris + not back into gym. loose + flaky

2-workers prep walkway substrate in front ADMIN. of ~~Annex~~ bldg (South side). Finished that + prepped west overhead of ADMIN. for loose + flaky removal tomorrow

2-workers use airless to spray all the substrate cleaned so far of the loose + flaky with TSP. + wiped clean to be free of dirt + dust - finished Annex bldg. walkway from there to gym bldg. + South + west ends of ADMIN Bldg.

3-workers applying epoxy sealant - finished south side + gym bldg. + South side of Annex bldg 90% finished - Red coat only.

1-supervise lead removal
1-supervise (me)
Put all tools + equipment back into gym at end of shift. Locked up tools + ladders. Put away lifts. left site secured @ 3:00 pm.

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Ed. Cntr	Project No.	07 61061	Field Report No.	30
Address	351 Short Columbia St	Date	9-2-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00 AM	Departure Time	
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log

on site 6:00 AM

crew size 14. x8 hrs = 112 hrs

stretch + flex. pre-task, Re-cleaned CTE room per request by cel. the consultant.

5- workers applying epoxy sealant to Annex + gym bldg. 2 applying red, 3-applying tan. Some prepping on w. gym + pod bldgs.

2- workers finish overhang on Annex.

2- workers spray overhang + walkay w/ TSP + wiping clean.

3- workers scrape loose + flaky on remaining walkway - w. gym. + w. Admin.

1- supervisor - lead abatement

1- supervisor - me - whole crew.

After lunch, TSP, + loose + flaky crews apply peel bond sealant to all areas.

All the the walkway + overhand areas in our scope are complete. All areas have the peel bond sealant applied.

All HAZ MAT boxes covered w/poly + secured for weekend.

Have some fascia trim to scrape + epoxy to apply to Annex, Gym bldg., pods, + tech bldg.

Reduced the crew to 9 for next week.

Put away all tools, lock up ladder, boxes, left site at 2:30. Gym doors open, crew still working on floors, custodian still here.

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Ed. Cntr	Project No.	07 61061	Field Report No.	31
Address	351 Short Columbia St	Date	9-6-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00 AM	Departure Time	4:30
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log

On site 6:00 AM

Crew size 10 x 10 hrs 98 ~~100~~ hours hrs

Pre-task, stretch + flex.

2- workers consolidating on load out
- next they re-cleaned the walkway substrate on ~~[illegible]~~ West side from Annex to North west of gym bldg. Per Devlin request
- then they applied tan epoxy to pod bldg.
- All walkways + overhangs are good per Devlin

2- workers finished the fascia on High Gym Bldg. all fascia completed.
- they applied tan epoxy in the afternoon.

- All pods had red epoxy applied in the morning. Tan epoxy was applied to the south + west pods in P.M.

- Learned that Annex Bldg had soil sample test that failed for clearances. We scraped the soil from the Bldg + out 3' + bagged all soil + discarded as PCB contaminated waste.
- 1- Exterior door at the CTE Room was missed so we removed the caulk around that door.

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Greg from PBS was here, walked the site + found only the door that was overlooked, + made sure I knew about the soil sampling + was handling that. Everything else in all bldgs checked out OK.

Tech. Bldg got red epoxy on all work areas. As did the Annex Bldg. + all ~~[illegible]~~ of the gym bldg (west + North) except 9 columns + the CTE door

The whole crew was applying epoxy by end of shift. Left site secured, tools put away + locked up @ 4:30. custodian locked gate

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name Sky Valley Ed. Cntr	Project No. 07 61061	Field Report No. 32
Address 351 Short Columbia St	Date 9-7-16	Page 1 of 2
City and County Monroe Snohomish	Arrival Time	Departure Time
State / Zip WA 98272	Superintendent Jason Olson	PM Amani Moss
Client Monroe School District	Client Contact Phone No.	
Client Contact John Mannix	Scheduled Completion	Estimated Completion
Subcontractor(s)	Weather RAIN	

Daily Log

on site 6:00 am

crew size 9. x 10 hrs.

Stretch + flex, Pre-task

RAIN this morning - so have crew count light tubes, organize + account for all tools + get ready to demob. Also pull masking from all finished areas on Pod + Annex bldg.
Took all the light tubes to ECO lights — one of their workers dropped a barrel trying to unload our truck. Driver said it sounded like they all broke + made a mess there. They were all intact when they left here + arrived there. So all light tubes are gone the metal can got picked + backed off.

2 workers applying epoxy (tan) to Annex Bldg finished that.
2 workers applying epoxy to remaining Pods.
2 workers applying red epoxy to remaining areas of gym bldg.
2 workers demob tools + equipment.

Found out at lunch time that the ADMIN. didn't get covered enough with the epoxy after getting multiple clearances - 3x visual, air, + wipe. We are ok to tear down + now they want 2"x2" of epoxy applied to the drywall on either side of the window sill - what were the clearances for? After discussing w/ Devlin + Cel I agreed to apply 1st thing tomorrow AM. It is all masked + ready to go.

The Clean Harbors was supposed to P/U the PCB + Lead waste today. They cancelled after we already

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name Sky Valley Ed Cute	Project No.	Field Report No. 32
Address	Date 9-7-16	Page 2 of 2
City and County Monroe	Arrival Time	Departure Time
State / Zip	Superintendent	PM
Client	Client Contact Phone No.	
Client Contact	Scheduled Completion	Estimated Completion
Subcontractor(s)	Weather	

Daily Log

rented a forklift to load their truck. Supposed to be here at 10 AM tomorrow. Devlin supposed to be here to sign the manifest for the hazardous waste.

6-workers applying tan epoxy by end of shift - finished the Tech Bldg. the Annex Bldg, + North + west sides of gym Bldg.

Cut crew back to 2 for tomorrow

Sent truck back to warehouse loaded with tools, equipment, general debris, empty 55 gal drums (that we emptied into hazmat boxes), + consumables that were left over or unused. Still have a few tools + debris barrels + equipment to load out tomorrow.

Cleaned all work areas, put tools + debris left site secured @ 4:30

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

Review

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Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Ed. Ctr.	Project No.	07 61061	Field Report No.	53
Address	1351 1st Street Calvary St	Date	9-22-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00 AM	Departure Time	4:30
State / Zip	WA 98272	Superintendent	Sean Olson	PM	Amani Mack
Client	Monroe School District	Client Contact Phone No.			
Client Contact	Kahn Mamix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log	Daily Assessment	Y	N
on site 6:00 crew size 2 x 10hrs 20hrs	Air monitoring conducted		
	Air monitoring data posted		
P/U truck @ warehouse to finish de-mob & load out.	Permit(s) current		
	Daily Pre-Task Completed		
Finish 2" epoxy app. in Admin Bldg before staff arrives. on interior window sill and	Containment inspected		
Touch up epoxy on Exterior Annex Bldg &	PPE available/used		
Remove masking.	Safety mtg/topic		
	Engineering controls used		
	Fugitive dust control		
-Soil sample kept failed on Annex, so we	Liquid effluent control		
removed more soil from edge of Bldg. & loaded	Manometer -.02" or greater		
in to barrels before clean Harbors came for	Items of note documented		
their pick-up.	Consumables inventory		
- Six other areas showed detection in floor	Project book on site		
wipe samples. E reCleaned all six locations	Project drwgs on site		
& used TSP solution to scrub the areas clean.	Project photos		
Mopped the floor in small gym w/TSP	Project specs on site		
	Any damages noted		
Removed masking from Tech Bldg & Northwest sides of	Purchase requests		
gym bldg. Put the roof overhang back	Equipment requests		
together we had removed to access the caulk	Schedule change/impact		
in some locations.	Daily reports completed/faxed		
	Client issues addressed		
Clean Harbors finally arrived at 12:45 - over	Job site secured		
24 hours late. They weren't prepared to take	T&M Work Performed		
our lead waste barrels & got a call in to	Cleaned Water Cooler		
Amani & she got it resolved so they finally agreed to take			
all the HAZ. Waste we had generated. The truck couldn't fit			
in the school so we loaded them out on the street.			
Called the lifts & forklift off of Rent.			
Finished loading up our truck with all our tools equipment, debris			
except a few items for tomorrow for epoxy application.			
Left site secured w/custodians around 4:40.			

Survey

☐ The contents of this field report were discussed with the client's on site representative.

☐ A preliminary copy of this field report was left on site. Recommendations contained herein are subject to change pending review by the PM.

Client Representative	Project Superintendent	PM

NorthStar Daily Field Report

Project Name	Sky Valley Ed. Cntr.	Project No.	07 61061	Field Report No.	34
Address	1351 Short Columbia St	Date	9-9-16	Page	1 of
City and County	Monroe Snohomish	Arrival Time	6:00	Departure Time	4:30
State / Zip	WA 98272	Superintendent	Jason Olson	PM	Amani Moss
Client	Monroe School District	Client Contact Phone No.			
Client Contact	John Mannix	Scheduled Completion		Estimated Completion	
Subcontractor(s)		Weather			

Daily Log

on site 6:00 AM

Crew size 1 x10hrs = 10 hrs.

Applied final coat of epoxy in Admin Bldg.
Touched up epoxy locations inside + outside
All the units in the POD Bldg.
Touch up exterior of gym building + Admin. Bldg.
Remove Masking.
Measure all locations of removal.
Got results for all areas of tests samples
taken yesterday - 8 locations -
All passed.
All epoxy application locations passed visual inspections.

Final Clean + de-mob last of our materials out of small gym.

Job is 100% finished.

Left site secured by the custodians.

Daily Assessment	Y	N
Air monitoring conducted		
Air monitoring data posted		
Permit(s) current		
Daily Pre-Task Completed		
Containment inspected		
PPE available/used		
Safety mtg/topic		
Engineering controls used		
Fugitive dust control		
Liquid effluent control		
Manometer -.02" or greater		
Items of note documented		
Consumables inventory		
Project book on site		
Project drwgs on site		
Project photos		
Project specs on site		
Any damages noted		
Purchase requests		
Equipment requests		
Schedule change/impact		
Daily reports completed/faxed		
Client issues addressed		
Job site secured		
T&M Work Performed		
Cleaned Water Cooler		

REVIEW

☐ The contents of this field report were discussed with the client's on site representative.

☐ A preliminary copy of this field report was left on site. Recommendations contained herein are subject to change pending review by the PM.

Client Representative	Project Superintendent	PM

DATE: 9-1-16

NAVY

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Jason Olson

					Data					
	STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
	Active		Supervision	0.00	0.00	112.26	8			
					0.00	112.26				
		move out of gym	Misc. Set Up (Hrs)	EA	5.00	5.00	2			
		move in to gym	Misc. Cleanup (Hrs)	EA	5.00	5.00	2			
					10.00	10.00				
			Fixture Removal	EA	213.00	213.00				
			Prep Walkway Substrate	SF	4,190.00	130.94	60	60		
			Prep Facia Board	SF	288.00	36.00				
			Prep Concrete Sill	SF	257.00	21.42				
			Remove Metal Walkway	SF	1,325.00	55.21				
			Apply Sealer To Walkway Ceiling		4,190.00	41.90				
			Light Tubes (Recycle)	LF	3,408.00	18.93				
			Load Out (Number Of Bags)	BAGS	478.00	24.80	4			
					14,349.00	542.20				
	Active Total				14,359.00	664.45				
	Grand Total				14,359.00	664.45	76			

ED_004522_00089866-00498

DATE:	9-1-16

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center — DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Active		Supervision	0.00	0.00	53.88	8			
				0.00	53.88				
		Install Poly Walls	SF	27,024.00	108.10				
		Install Poly Floors	SF	6,500.00	16.25				
		Install Drops	SF	6,500.00	10.83				
		Install Neg Airs	EA	32.00	32.00				
		Install Decons	EA	32.00	96.00				
		Misc. Set Up (Hrs)	EA	30.00	30.00				
		Remove Poly Walls	SF	27,024.00	36.03				
		Remove Floors	SF	6,500.00	8.67				
		Remove Drops	SF	6,500.00	8.67				
		Remove Neg Airs	EA	32.00	16.00				
		Remove Decons	EA	32.00	64.00				
		Misc. Cleanup (Hrs)	EA	30.00	30.00				
				80,236.00	456.54				
		General Foreman Walk (Hrs)	EA	1.00	4.00				
		Job Site Mobilization (Hrs)	EA	1.00	6.00				
		Job Demobilization (Hrs)	EA	1.00	6.00				
				3.00	16.00				
		Caulking	LF	4,585.00	655.00				
		Clean Substrate With Tsp	LF	4,585.00	152.83				
		Load Out (Number Of Bags)	BAGS	162.75	12.63	4			
				9,332.75	820.47				
		Paint Epoxy sealant				24			
Active Total				89,571.75	1,346.89	36			

ED_004522_00089866-00499

DATE:	

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss

Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Grand Total				89,571.75	1,346.89				

ED_004522_00089866-00500

DATE: 9-2-16

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center — DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Jason Olson

	STATUS	Area Description	Work Description	UOM	Data Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
	Active		Supervision	0.00	0.00	112.26	8			
					0.00	112.26				
			Misc. Set Up (Hrs)	EA	5.00	5.00				
		Admin Bldg	Misc. Cleanup (Hrs)	EA	5.00	5.00	4			
					10.00	10.00				
			Fixture Removal	EA	213.00	213.00				
			Prep Walkway Substrate	SF	4,190.00	130.94	35			
			Prep Facia Board	SF	288.00	36.00				
			Prep Concrete Sill	SF	257.00	21.42				
			Remove Metal Walkway	SF	1,325.00	55.21				
			Apply Sealer To Walkway Ceiling		4,190.00	41.90	15			
			Light Tubes (Recycle)	LF	3,408.00	18.93				
			Load Out (Number Of Bags)	BAGS	478.00	24.80	2			
					14,349.00	542.20				
	Active Total				14,359.00	664.45				
	Grand Total				14,359.00	664.45	64			

ED_004522_00089866-00501

DATE: 9-2-16

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center — DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Active		Supervision	0.00	0.00	53.88	8			
				0.00	53.88				
		Install Poly Walls	SF	27,024.00	108.10				
		Install Poly Floors	SF	6,500.00	16.25				
		Install Drops	SF	6,500.00	10.83				
		Install Neg Airs	EA	32.00	32.00				
		Install Decons	EA	32.00	96.00				
		Misc. Set Up (Hrs)	EA	30.00	30.00				
		Remove Poly Walls	SF	27,024.00	36.03				
		Remove Floors	SF	6,500.00	8.67				
		Remove Drops	SF	6,500.00	8.67				
		Remove Neg Airs	EA	32.00	16.00				
		Remove Decons	EA	32.00	64.00				
		Misc. Cleanup (Hrs)	EA	30.00	30.00				
				80,236.00	456.54				
		General Foreman Walk (Hrs)	EA	1.00	4.00				
		Job Site Mobilization (Hrs)	EA	1.00	6.00				
		Job Demobilization (Hrs)	EA	1.00	6.00				
				3.00	16.00				
		Caulking	LF	4,585.00	655.00				
		Clean Substrate With Tsp	LF	4,585.00	152.83				
		Load Out (Number Of Bags)	BAGS	162.75	12.63				
		Paint epoxy sealer		9,332.75	820.47	40			
Active Total				89,571.75	1,346.89	48			

ED_004522_00089866-00502

DATE:	

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Grand Total				89,571.75	1,346.89				

ED_004522_00089866-00503

DATE: 9-6-16

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center — DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Jason Olson

					Data					
	STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
	Active		Supervision	0.00	0.00	112.26	8			
					0.00	112.26				
			Misc. Set Up (Hrs)	EA	5.00	5.00				
			Misc. Cleanup (Hrs)	EA	5.00	5.00				
					10.00	10.00				
			Fixture Removal	EA	213.00	213.00				
			Prep Walkway Substrate	SF	4,190.00	130.94	4			
			Prep Facia Board	SF	288.00	36.00	12			
			Prep Concrete Sill	SF	257.00	21.42				
			Remove Metal Walkway	SF	1,325.00	55.21				
			Apply Sealer To Walkway Ceiling		4,190.00	41.90				
			Light Tubes (Recycle)	LF	3,408.00	18.93	*			
			Load Out (Number Of Bags)	BAGS	478.00	24.80	2			
					14,349.00	542.20				
	Active Total				14,359.00	664.45				
	Grand Total				14,359.00	664.45	26			

ED_004522_00089866-00504

DATE: 9-6-16

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Active		Supervision	0.00	0.00	53.88	8			
				0.00	53.88				
		Install Poly Walls	SF	27,024.00	108.10				
		Install Poly Floors	SF	6,500.00	16.25				
		Install Drops	SF	6,500.00	10.83				
		Install Neg Airs	EA	32.00	32.00				
		Install Decons	EA	32.00	96.00				
		Misc. Set Up (Hrs)	EA	30.00	30.00				
		Remove Poly Walls	SF	27,024.00	36.03				
		Remove Floors	SF	6,500.00	8.67				
		Remove Drops	SF	6,500.00	8.67				
		Remove Neg Airs	EA	32.00	16.00				
		Remove Decons	EA	32.00	64.00				
		Misc. Cleanup (Hrs)	EA	30.00	30.00				
				80,236.00	456.54				
		General Foreman Walk (Hrs)	EA	1.00	4.00				
		Job Site Mobilization (Hrs)	EA	1.00	6.00				
		Job Demobilization (Hrs)	EA	1.00	6.00				
				3.00	16.00				
		Caulking	LF	4,585.00	655.00	8			
		Clean Substrate With Tsp	LF	4,585.00	162.83				
		Load Out (Number Of Bags)	BAGS	162.75	12.63	2			
				9,332.75	820.47				
		PAINT EPOXY				54			
Active Total				89,571.75	1,346.89	62			

ED_004522_00089866-00505

DATE:	

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Grand Total				89,571.75	1,346.89				

ED_004522_00089866-00506

DATE:	9-7-16

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center — DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Jason Olson

					Data					
	STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
	Active		Supervision	0.00	0.00	112.26				
					0.00	112.26				
			Misc. Set Up (Hrs)	EA	5.00	5.00				
			Misc. Cleanup (Hrs)	EA	5.00	5.00				
					10.00	10.00				
			Fixture Removal	EA	213.00	213.00				
			Prep Walkway Substrate	SF	4,190.00	130.94				
			Prep Facia Board	SF	288.00	36.00				
			Prep Concrete Sill	SF	257.00	21.42				
			Remove Metal Walkway	SF	1,325.00	55.21				
			Apply Sealer To Walkway Ceiling		4,190.00	41.90				
		took to Eco light	Light Tubes (Recycle)	LF	3,408.00	18.93	5			
			Load Out (Number Of Bags)	BAGS	478.00	24.80	1			
					14,349.00	542.20				
	Active Total				14,359.00	664.45				
	Grand Total				14,359.00	664.45	6			

ED_004522_00089866-00507

DATE:	9-7-16

#

FIELD PRODUCTION REPORT
DAILY HOURS & UNITS REMOVED

Job #761061-Sky Valley Education Center

Project Manager: Amani Moss
Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Active		Supervision	0.00	0.00	53.88	10			
				0.00	53.88				
		Install Poly Walls	SF	27,024.00	108.10				
		Install Poly Floors	SF	6,500.00	16.25				
		Install Drops	SF	6,500.00	10.83				
		Install Neg Airs	EA	32.00	32.00				
		Install Decons	EA	32.00	96.00				
		Misc. Set Up (Hrs)	EA	30.00	30.00				
		Remove Poly Walls	SF	27,024.00	36.03				
		Remove Floors	SF	6,500.00	8.67				
		Remove Drops	SF	6,500.00	8.67				
		Remove Neg Airs	EA	32.00	16.00				
		Remove Decons	EA	32.00	64.00				
		Misc. Cleanup (Hrs)	EA	30.00	30.00	2			
				80,236.00	456.54				
		General Foreman Walk (Hrs)	EA	1.00	4.00				
		Job Site Mobilization (Hrs)	EA	1.00	6.00				
		Job Demobilization (Hrs)	EA	1.00	6.00	5			
				3.00	16.00				
		Caulking	LF	4,585.00	655.00				
		Clean Substrate With Tsp	LF	4,585.00	152.83				
		Load Out (Number Of Bags)	BAGS	162.75	12.63	2			
		~~Paint Epoxy Sealant~~		9,332.75	820.47				
		Paint epoxy sealant				65			
Active Total				89,571.75	1,346.89	84			

ED_004522_00089866-00508

DATE:	

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Grand Total				89,571.75	1,346.89				

ED_004522_00089866-00509

DATE:	9-8-16

#

FIELD PRODUCTION REPORT
DAILY HOURS & UNITS REMOVED

Job #761061-Sky Valley Education Center

Project Manager: Amani Moss
Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Active		Supervision	0.00	0.00	53.88	10			
				0.00	53.88				
		Install Poly Walls	SF	27,024.00	108.10				
		Install Poly Floors	SF	6,500.00	16.25				
		Install Drops	SF	6,500.00	10.83				
		Install Neg Airs	EA	32.00	32.00				
		Install Decons	EA	32.00	96.00				
		Misc. Set Up (Hrs)	EA	30.00	30.00				
		Remove Poly Walls	SF	27,024.00	36.03				
		Remove Floors	SF	6,500.00	8.67				
		Remove Drops	SF	6,500.00	8.67				
		Remove Neg Airs	EA	32.00	16.00				
		Remove Decons	EA	32.00	64.00				
		Misc. Cleanup (Hrs)	EA	30.00	30.00	02			
				80,236.00	456.54				
		General Foreman Walk (Hrs)	EA	1.00	4.00				
		Job Site Mobilization (Hrs)	EA	1.00	6.00				
		Job Demobilization (Hrs)	EA	1.00	6.00	3			
				3.00	16.00				
		Caulking	LF	4,585.00	655.00				
		Clean Substrate With Tsp	LF	4,585.00	152.83				
		Load Out (Number Of Bags)	BAGS	162.75	12.63	3			
				9,332.75	820.47				
		Paint epoxy				2			
Active Total				89,571.75	1,346.89	20			

ED_004522_00089866-00510

DATE:	

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss
Field Supervisor: Field Supervisor

				Data					
STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
Grand Total				89,571.75	1,346.89				

ED_004522_00089866-00511

DATE:	9-7-16

#

FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

Project Manager: Amani Moss

Field Supervisor: Jason Olson

					Data					
	STATUS	Area Description	Work Description	UOM	Budget Units	Budget Hrs	Hours Today	Units Today	Hours To Date	Units To Date
	Active		Supervision	0.00	0.00	112.26	10			
					0.00	112.26				
			Misc. Set Up (Hrs)	EA	5.00	5.00				
			Misc. Cleanup (Hrs)	EA	5.00	5.00				
					10.00	10.00				
			Fixture Removal	EA	213.00	213.00				
			Prep Walkway Substrate	SF	4,190.00	130.94				
			Prep Facia Board	SF	288.00	36.00				
			Prep Concrete Sill	SF	257.00	21.42				
			Remove Metal Walkway	SF	1,325.00	55.21				
			Apply Sealer To Walkway Ceiling		4,190.00	41.90				
			Light Tubes (Recycle)	LF	3,408.00	18.93				
			Load Out (Number Of Bags)	BAGS	478.00	24.80				
					14,349.00	642.20				
	Active Total				14,359.00	664.45				
	Grand Total				14,359.00	664.45	10			

ED_004522_00089866-00512

Northstar Daily Pre-Task Plan

JOB / TASK INFO	
Project Name	Sky Valley Education Center
Project #	0781061
Today's Date	7-26-16
Project Supervisor	Jason Olson
Signature	[signature]
Task to be completed	Prep containments
Annex Bldg + Bid Bldg.	

TASK STEPS

1 Prep work area
2 set up containment
3 Set up neg. AIRS.

OTHER WORK/ADJACENT TRADES (WHOSE HAZARDS COULD AFFECT NORTHSTAR TASK)

PLANS/PERMITS REQUIRED

	Confined Space		Utilities Locate/Identify
	Fall Protection		Excavation/Trench
	Hot Work		Scaffold Inspection
	Lift Plan		

MINIMUM PPE (CIRCLE)

Hard Hat Gloves Safety Glasses Hi-Visibility Vest/Shirt

ADDITIONAL PPE

	Anti-Vibration Gloves		Double Hearing Protection
	Leather Gloves		Respiratory (PAPR)
	Arm Guards		Respiratory (Full-Face)
	Ear Plugs or Muffins		Respiratory (Half-Face)
	Chainsaw Chaps		Respiratory (Type C)
	Face Shield		Torching Glasses/Shield
	Torching Coveralls		Torching Gloves

SUPERVISOR CLOSING COMMENTS

SAFETY MEASURES REQUIRED (check if needed)

	Banner Tape w/Signage		Secure Area (Drop Zone)
	Cord Inspection		Temporarily Lighting
	Equipment Pre-Use Inspection	✓	Use Proper Lifting Techniques
	Fire Extinguisher/Water Hose		Ventilation (Mechanical)
	Guardrails		Warning Line/Signage
✓	Housekeeping		Work Area Awareness
✓	Negative Pressure Enclosure		CO Monitoring
	Proper Signage		Designated Radio Channel
	Regulated Area		Fall Protection
✓	Stretch and Flex	✓	GFCI
	Trained Operator		HEPA Vacuum
	Verbal Communication		Negative Air Machines
	Wet Methods		Pre-Demolition Structural Survey
	Chemical Properly Labeled		Red Light/Green Light
	Cord Protection		Spotter
	Exhaust Scrubbers		Traffic Route(s)
	Flagger		Utilities Identified
	Hearing Protection		Ventilation (Natural)
	MSDS Onsite/Reviewed/Followed		Wet Abatement Techniques
	Personal Exposure Monitoring		Other_____
	Radio Communication		Other_____

HAZARDS (INCLUDING OTHER TRADES/AREAS)

	Asbestos Exposure	✓	Live Utilities
	Carbon Monoxide Exposure		Overloading Equipment
✓	Cuts and Lacerations		Struck by Debris
✓	Falls from Height		Unintended Collapse
	Lead Exposure		Burns
✓	Noise		Chemical Exposure
✓	Slips and Trips		Electric Shock/Electrocution
	Unauthorized Access	✓	Inadequate Communication
✓	Back/Muscle Strain	✓	Misuse of Equipment
	Caught Between		Overloading Suspended Slab
	Dust		Struck by Equipment/Vehicle
	Fire		

CREW SIGNATURES (INCLUDING SUPERVISOR/FOREMAN)

	Print	Sign		Print	Sign
1	Jason Olson	[signature]	11	Kathy Shufelt	Kathy Shufelt
2	Dr Whit	[signature]	12	Zaik Jimenez	[signature]
3	Juan Gonzalez	[signature]	13		
4	Noel Jimenez	[signature]	14		
5	Daniel Cruz	Daniel Cruz	15		
6	Juan Fuentes	[signature]	16		
7	Ciro Soto	[signature]	17		
8	Rogelio Baxin	[signature]	18		
9	Yovin Villatoro	[signature]	19		
10	Arlin Evans	[signature]	20		

Northstar Daily Pre-Task Plan

JOB / TASK INFO	
Project Name	Sky Valley Education Center
Project #	0761061
Today's Date	7-27-16
Project Supervisor	0 Jason Olson
Signature	[signature]
Task to be completed	Remove caulking around windows & beams

TASK STEPS

1. Prep work area
2. Remove caulking - manual methods
3. Final clean work area

OTHER WORK/ADJACENT TRADES (WHOSE HAZARDS COULD AFFECT NORTHSTAR TASK)

PLANS/PERMITS REQUIRED

	Confined Space		Utilities Locate/Identify
	Fall Protection		Excavation/Trench
	Hot Work		Scaffold Inspection
	Lift Plan		

MINIMUM PPE (CIRCLE)

Hard Hat Gloves Safety Glasses Hi-Visibility Vest/Shirt

ADDITIONAL PPE

	Anti-Vibration Gloves		Double Hearing Protection
	Leather Gloves		Respiratory (PAPR)
	Arm Guards		Respiratory (Full-Face)
	Ear Plugs or Muffins	✓	Respiratory (Half-Face)
	Chainsaw Chaps		Respiratory (Type C)
	Face Shield		Torching Glasses/Shield
	Torching Coveralls		Torching Gloves

SUPERVISOR CLOSING COMMENTS

SAFETY MEASURES REQUIRED (check if needed)

	Banner Tape w/Signage		Secure Area (Drop Zone)
✓	Cord Inspection		Temporarily Lighting
✓	Equipment Pre-Use Inspection	✓	Use Proper Lifting Techniques
✓	Fire Extinguisher/Water Hose	✓	Ventilation (Mechanical)
	Guardrails		Warning Line/Signage
✓	Housekeeping	✓	Work Area Awareness
	Negative Pressure Enclosure		CO Monitoring
	Proper Signage		Designated Radio Channel
✓	Regulated Area		Fall Protection
✓	Stretch and Flex	✓	GFCI
	Trained Operator	✓	HEPA Vacuum
✓	Verbal Communication	✓	Negative Air Machines
✓	Wet Methods		Pre-Demolition Structural Survey
	Chemical Properly Labeled		Red Light/Green Light
	Cord Protection		Spotter
	Exhaust Scrubbers		Traffic Route(s)
	Flagger		Utilities Identified
	Hearing Protection		Ventilation (Natural)
✓	MSDS Onsite/Reviewed/Followed	✓	Wet Abatement Techniques
✓	Personal Exposure Monitoring		Other
	Radio Communication		Other

HAZARDS (INCLUDING OTHER TRADES/AREAS)

✓	Asbestos Exposure	✓	Live Utilities
	Carbon Monoxide Exposure		Overloading Equipment
✓	Cuts and Lacerations		Struck by Debris
✓	Falls from Height		Unintended Collapse
	Lead Exposure		Burns
	Noise		Chemical Exposure
✓	Slips and Trips		Electric Shock/Electrocution
✓	Unauthorized Access		Inadequate Communication
✓	Back/Muscle Strain		Misuse of Equipment
	Caught Between		Overloading Suspended Slab
	Dust		Struck by Equipment/Vehicle
	Fire		

CREW SIGNATURES (INCLUDING SUPERVISOR/FOREMAN)

	Print	Sign		Print	Sign
1	Jason Olson	[signature]	11	Ivan Gonzalez	[signature]
2	Arlin Evans	[signature]	12	Rogelio Batres	[signature]
3	Kathy Shufelt	Kathy Shufelt	13		
4	Noel Jimenez	[signature]	14		
5	Zaiht Jimenez	[signature]	15		
6	Yosvin Villalon	[signature]	16		
7	Gro. Soto	[signature]	17		
8	Daniel Cruz	Daniel Cruz	18		
9	Don White	[signature]	19		
10	Julian Fuentes	[signature]	20		

Northstar Daily Pre-Task Plan

JOB / TASK INFO	
Project Name	Sky Valley Education Center
Project #	0761061
Today's Date	8-3-16
Project Supervisor	0 JASON OLSON
Signature	[signature]
Task to be completed	Remove PCB caulking

TASK STEPS

1 Remove caulking in poly Enclosures
2 Final clean caulk residue w/ Goof off
3 Mob to next unit

OTHER WORK/ADJACENT TRADES (WHOSE HAZARDS COULD AFFECT NORTHSTAR TASK)

PLANS/PERMITS REQUIRED

	Confined Space		Utilities Locate/Identify
	Fall Protection		Excavation/Trench
	Hot Work		Scaffold Inspection
	Lift Plan		

MINIMUM PPE (CIRCLE)

Hard Hat Gloves Safety Glasses Hi-Visibility Vest/Shirt

ADDITIONAL PPE

	Anti-Vibration Gloves		Double Hearing Protection
	Leather Gloves		Respiratory (PAPR)
	Arm Guards		Respiratory (Full-Face)
	Ear Plugs or Muffins	✓	Respiratory (Half-Face)
	Chainsaw Chaps		Respiratory (Type C)
	Face Shield		Torching Glasses/Shield
	Torching Coveralls		Torching Gloves

SUPERVISOR CLOSING COMMENTS

SAFETY MEASURES REQUIRED (check if needed)

	Banner Tape w/Signage		Secure Area (Drop Zone)
✓	Cord Inspection		Temporarily Lighting
✓	Equipment Pre-Use Inspection	✓	Use Proper Lifting Techniques
	Fire Extinguisher/Water Hose	✓	Ventilation (Mechanical)
	Guardrails		Warning Line/Signage
✓	Housekeeping		Work Area Awareness
	Negative Pressure Enclosure		CO Monitoring
	Proper Signage		Designated Radio Channel
	Regulated Area		Fall Protection
✓	Stretch and Flex	✓	GFCI
	Trained Operator	✓	HEPA Vacuum
	Verbal Communication	✓	Negative Air Machines
	Wet Methods		Pre-Demolition Structural Survey
	Chemical Properly Labeled		Red Light/Green Light
	Cord Protection		Spotter
	Exhaust Scrubbers		Traffic Route(s)
	Flagger		Utilities Identified
✓	Hearing Protection		Ventilation (Natural)
	MSDS Onsite/Reviewed/Followed	✓	Wet Abatement Techniques
✓	Personal Exposure Monitoring	✓	Other charcoal Afters
	Radio Communication		Other

HAZARDS (INCLUDING OTHER TRADES/AREAS)

	Asbestos Exposure		Live Utilities
	Carbon Monoxide Exposure		Overloading Equipment
✓	Cuts and Lacerations		Struck by Debris
✓	Falls from Height		Unintended Collapse
	Lead Exposure		Burns
✓	Noise		Chemical Exposure
✓	Slips and Trips	✓	Electric Shock/Electrocution
✓	Unauthorized Access		Inadequate Communication
✓	Back/Muscle Strain		Misuse of Equipment
	Caught Between		Overloading Suspended Slab
	Dust		Struck by Equipment/Vehicle
	Fire	✓	fumes

CREW SIGNATURES (INCLUDING SUPERVISOR/FOREMAN)

	Print	Sign		Print	Sign
1	Jason Olson	[signature]	11	Ugosvin Villatoro	[signature]
2	Noel Jimenez	[signature]	12		
3	Kathy Shuler	Kathy Shufield	13		
4	Arlin Evans	[signature]	14		
5	Cirio Soto	[signature]	15		
6	Rogelio Baxa	[signature]	16		
7	Daniel Cruz	Daniel Cruz	17		
8	Juan Jerez	[signature]	18		
9	Zaiht Jimenez	[signature]	19		
10	Juan Gonzalez	[signature]	20		

Northstar Daily Pre-Task Plan

JOB / TASK INFO	
Project Name	Sky Valley Education Center
Project #	0761061
Today's Date	8-8-16
Project Supervisor	Sean Olson
Signature	
Task to be completed	Remove light fixtures set up poly Enclosures

TASK STEPS

1 Red hoa, wrap lights
2 Remove light fixtures
3 Stage for load out

OTHER WORK/ADJACENT TRADES (WHOSE HAZARDS COULD AFFECT NORTHSTAR TASK)

PLANS/PERMITS REQUIRED

	Confined Space		Utilities Locate/Identify
	Fall Protection		Excavation/Trench
	Hot Work		Scaffold Inspection
	Lift Plan		

MINIMUM PPE (CIRCLE)

Hard Hat Gloves Safety Glasses Hi-Visibility Vest/Shirt

ADDITIONAL PPE

	Anti-Vibration Gloves		Double Hearing Protection
	Leather Gloves		Respiratory (PAPR)
	Arm Guards		Respiratory (Full-Face)
	Ear Plugs or Muffins		Respiratory (Half-Face)
	Chainsaw Chaps		Respiratory (Type C)
	Face Shield		Torching Glasses/Shield
	Torching Coveralls		Torching Gloves

SUPERVISOR CLOSING COMMENTS

SAFETY MEASURES REQUIRED (check if needed)

	Banner Tape w/Signage		Secure Area (Drop Zone)
	Cord Inspection	✓	Temporarily Lighting
	Equipment Pre-Use Inspection	✓	Use Proper Lifting Techniques
	Fire Extinguisher/Water Hose		Ventilation (Mechanical)
	Guardrails		Warning Line/Signage
✓	Housekeeping		Work Area Awareness
	Negative Pressure Enclosure		CO Monitoring
	Proper Signage		Designated Radio Channel
✓	Regulated Area		Fall Protection
✓	Stretch and Flex	✓	GFCI
	Trained Operator	✓	HEPA Vacuum
	Verbal Communication	✓	Negative Air Machines
	Wet Methods		Pre-Demolition Structural Survey
	Chemical Properly Labeled		Red Light/Green Light
	Cord Protection		Spotter
	Exhaust Scrubbers		Traffic Route(s)
	Flagger	✓	Utilities Identified
✓	Hearing Protection		Ventilation (Natural)
	MSDS Onsite/Reviewed/Followed		Wet Abatement Techniques
✓	Personal Exposure Monitoring		Other
	Radio Communication		Other

HAZARDS (INCLUDING OTHER TRADES/AREAS)

	Asbestos Exposure	✓	Live Utilities
	Carbon Monoxide Exposure		Overloading Equipment
✓	Cuts and Lacerations		Struck by Debris
✓	Falls from Height		Unintended Collapse
	Lead Exposure		Burns
	Noise	✓	Chemical Exposure
✓	Slips and Trips	✓	Electric Shock/Electrocution
	Unauthorized Access		Inadequate Communication
✓	Back/Muscle Strain		Misuse of Equipment
	Caught Between		Overloading Suspended Slab
✓	Dust	✓	Struck by Equipment/Vehicle
	Fire		
✓	PCB exposure		

CREW SIGNATURES (INCLUDING SUPERVISOR/FOREMAN)

	Print	Sign
1	Sean Olson	
2	Hugo Sanabo	
3	Joel Jimenez	
4	Cino Soto	
5	Yasmin Villatoro	
6	Roberto Baltazar	
7	Sean Hughes	
8	Kathy Duffett	
9	Caleb Timmons	
10		

	Print	Sign
11		
12		
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19		
20		

Northstar Daily Pre-Task Plan

JOB / TASK INFO	
Project Name	Sky Valley Education Center
Project #	0761061
Today's Date	X-30-16
Project Supervisor	Steven Olson
Signature	
Task to be completed	Remove lead paint + covered walkway Dems.

TASK STEPS

1 Prep work area - Demarcate
2 Scrape overhang surfaces
3 Dem covered walkway in front of gym

OTHER WORK/ADJACENT TRADES (WHOSE HAZARDS COULD AFFECT NORTHSTAR TASK)

PLANS/PERMITS REQUIRED

	Confined Space		Utilities Locate/Identify
✓	Fall Protection		Excavation/Trench
	Hot Work		Scaffold Inspection
	Lift Plan		

MINIMUM PPE (CIRCLE)

(Hard Hat) (Gloves) (Safety Glasses) Hi-Visibility Vest/Shirt

ADDITIONAL PPE

	Anti-Vibration Gloves		Double Hearing Protection
	Leather Gloves		Respiratory (PAPR)
	Arm Guards		Respiratory (Full-Face)
	Ear Plugs or Muffins	✓	Respiratory (Half-Face)
	Chainsaw Chaps		Respiratory (Type C)
	Face Shield		Torching Glasses/Shield
	Torching Coveralls		Torching Gloves

SUPERVISOR CLOSING COMMENTS

SAFETY MEASURES REQUIRED (check if needed)

✓	Banner Tape w/Signage		Secure Area (Drop Zone)
	Cord Inspection		Temporarily Lighting
✓	Equipment Pre-Use Inspection	✓	Use Proper Lifting Techniques
	Fire Extinguisher/Water Hose		Ventilation (Mechanical)
	Guardrails		Warning Line/Signage
✓	Housekeeping		Work Area Awareness
	Negative Pressure Enclosure		CO Monitoring
	Proper Signage		Designated Radio Channel
✓	Regulated Area	✓	Fall Protection
✓	Stretch and Flex	✓	GFCI
	Trained Operator	✓	HEPA Vacuum
✓	Verbal Communication		Negative Air Machines
	Wet Methods		Pre-Demolition Structural Survey
	Chemical Properly Labeled		Red Light/Green Light
	Cord Protection		Spotter
	Exhaust Scrubbers		Traffic Route(s)
	Flagger		Utilities Identified
✓	Hearing Protection		Ventilation (Natural)
✓	MSDS Onsite/Reviewed/Followed		Wet Abatement Techniques
	Personal Exposure Monitoring		Other
	Radio Communication		Other

HAZARDS (INCLUDING OTHER TRADES/AREAS)

	Asbestos Exposure	✓	Live Utilities
	Carbon Monoxide Exposure		Overloading Equipment
✓	Cuts and Lacerations		Struck by Debris
✓	Falls from Height		Unintended Collapse
✓	Lead Exposure		Burns
✓	Noise		Chemical Exposure
✓	Slips and Trips		Electric Shock/Electrocution
✓	Unauthorized Access		Inadequate Communication
✓	Back/Muscle Strain	✓	Misuse of Equipment
	Caught Between		Overloading Suspended Slab
✓	Dust	✓	Struck by Equipment/Vehicle
	Fire		

CREW SIGNATURES (INCLUDING SUPERVISOR/FOREMAN)

	Print	Sign
1	Kasey Olson	
2	Juan Gonzalez	
3	Jason Villatoro	
4	Jim Mc Fuerker	
5	Jared Mankel	
6	Joe Cruz	
7	Miles Hemsmeyer	
8	Martin Mallard	
9	Alfonso Valenzuela	
10	Rogelio Baxin	
11	Kathy Shuteh	
12	Zaint Jimenez	
13	Joel Jimenez	
14	Daniel Cruz	
15		
16		
17		
18		
19		
20		

Northstar Daily Pre-Task Plan

JOB / TASK INFO	
Project Name	Sky Valley Education Center
Project #	0761061
Today's Date	9-6-16
Project Supervisor	Jason Olson
Signature	
Task to be completed	Paint Epoxy, Scrape, Lunch
↓ Baby wet paint on Esplan	

TASK STEPS

1 Prep work area - regulate work area
2 Paint, remove paint
3 Clean, last area

OTHER WORK/ADJACENT TRADES (WHOSE HAZARDS COULD AFFECT NORTHSTAR TASK)

PLANS/PERMITS REQUIRED

	Confined Space		Utilities Locate/Identify
	Fall Protection		Excavation/Trench
	Hot Work		Scaffold Inspection
	Lift Plan		

MINIMUM PPE (CIRCLE)

Hard Hat (Gloves) (Safety Glasses) Hi-Visibility Vest/Shirt

ADDITIONAL PPE

	Anti-Vibration Gloves		Double Hearing Protection
	Leather Gloves		Respiratory (PAPR)
	Arm Guards		Respiratory (Full-Face)
	Ear Plugs or Muffins	✓	Respiratory (Half-Face)
	Chainsaw Chaps		Respiratory (Type C)
	Face Shield		Torching Glasses/Shield
	Torching Coveralls		Torching Gloves

SUPERVISOR CLOSING COMMENTS

SAFETY MEASURES REQUIRED (check if needed)

	Banner Tape w/Signage		Secure Area (Drop Zone)
	Cord Inspection		Temporarily Lighting
	Equipment Pre-Use Inspection	✓	Use Proper Lifting Techniques
	Fire Extinguisher/Water Hose		Ventilation (Mechanical)
	Guardrails		Warning Line/Signage
✓	Housekeeping	✓	Work Area Awareness
	Negative Pressure Enclosure		CO Monitoring
	Proper Signage		Designated Radio Channel
✓	Regulated Area	✓	Fall Protection
✓	Stretch and Flex	✓	GFCI
	Trained Operator	✓	HEPA Vacuum
	Verbal Communication		Negative Air Machines
	Wet Methods		Pre-Demolition Structural Survey
	Chemical Properly Labeled		Red Light/Green Light
	Cord Protection		Spotter
	Exhaust Scrubbers		Traffic Route(s)
	Flagger		Utilities Identified
	Hearing Protection		Ventilation (Natural)
✓	MSDS Onsite/Reviewed/Followed		Wet Abatement Techniques
	Personal Exposure Monitoring		Other_____
	Radio Communication		Other_____

HAZARDS (INCLUDING OTHER TRADES/AREAS)

	Asbestos Exposure		Live Utilities
	Carbon Monoxide Exposure		Overloading Equipment
✓	Cuts and Lacerations		Struck by Debris
✓	Falls from Height		Unintended Collapse
	Lead Exposure		Burns
✓	Noise	✓	Chemical Exposure
✓	Slips and Trips	✓	Electric Shock/Electrocution
✓	Unauthorized Access		Inadequate Communication
✓	Back/Muscle Strain		Misuse of Equipment
	Caught Between		Overloading Suspended Slab
✓	Dust		Struck by Equipment/Vehicle
	Fire		

CREW SIGNATURES (INCLUDING SUPERVISOR/FOREMAN)

	Print	Sign
1	Jason Olson	
2	Rosalina Cruz	
3	Marin Hernandez	
4	Alfonso Valenzuela	
5	David Cruz	David Cruz
6	Jared Parker	
7	Jose Cruz	
8	Mike Hernandez	
9	Kathy Erickson	
10		

	Print	Sign
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Dept. of Labor & Industries, Division of Occupational Safety & Health

Asbestos Project Notification Form

Form ID: 119085##1222North277407

Notice Date: 7/11/2016

Start Date: 7/21/2016

Completion Date: 12/31/2016

Status: Initial

Site Work Hours: 6:00 am - 4:30 pm

Site Work Days:
Monday
Tuesday
Wednesday
Thursday

Contractor: Northstar CG, LP

Job Site C.A.S.: Juan Gonzalez

Your email address: amoss@northstar.com

Contractor Phone Number: 425-881-0623

Property Owner

Name: Monroe School District

Owner's Agent: John Mannix

Company:

Address: 200 E. Fremont St

City: Monroe, WA 98272

Phone: 360-804-2579

Job Site

Address: 351 Short Columbia Street

Building Name: Sky Valley Education Center
Room: Various Buildings
City: Monroe
Zip + 4: 98272
County: Snohomish
Type: School
Age: unknown
Size: unknown
Type of activity: Demolition

Quantity of Asbestos to Be Removed Outdoors

Quantity: square feet

Quantity: 300 linear feet
Other:caulking

Control Measures
Glove bag
Wet methods
HEPA vacuum
Manual methods
Other:regulated area

Respiratory Protection
1/2 mask APR

Comments:

Date/Time Submitted

7/11/2016 10:15

Dept. of Labor & Industries, Division of Occupational Safety & Health

Asbestos Project Notification Form

Form ID: 119519##1222North131961

Notice Date: 7/11/2016

Start Date: 7/21/2016

Completion Date: 12/31/2016

Status: Amended

Site Work Hours: 6:00 am - 4:30 pm

Site Work Days:
Monday
Tuesday
Wednesday
Thursday

Contractor: Northstar CG, LP

Job Site C.A.S.: Jason Olson

Your email address: amoss@northstar.com

Contractor Phone Number: 425-881-0623

Property Owner

Name: Monroe School District

Owner's Agent: John Mannix

Company:

Address: 200 E. Fremont St

City: Monroe WA 98272

Phone: 360-804-2579

Job Site

Address: 351 Short Columbia Street

Building Name: Sky Valley Education Center

Room: Various Buildings

City: Monroe

Zip + 4: 98272

County: Snohomish

Facility

Type: School

Age: unknown

Size: unknown

Type of activity: Demolition

Quantity of Asbestos to Be Removed Outdoors

Quantity: square feet

Quantity: 300 linear feet

Other:caulking

Control Measures

Glove bag
Wet methods
HEPA vacuum
Manual methods
Other:regulated area

Respiratory Protection

1/2 mask APR

Comments:

Change CAS

Date/Time Submitted

7/19/2016 9:47

Dept. of Labor & Industries, Division of Occupational Safety & Health

Asbestos Project Notification Form

Form ID: 131641##1222North701960

Notice Date: 7/11/2016

Start Date: 7/21/2016

Completion Date: 12/31/2016

Status: Amended
On Hold

Site Work Hours: 6:00 am - 4:30 pm

Site Work Days:
Monday
Tuesday
Wednesday
Thursday

Contractor: Northstar CG, LP

Job Site C.A.S.: Jason Olson

Your email address: amoss@northstar.com

Contractor Phone Number: 425-881-0623

Property Owner

Name: Monroe School District

Owner's Agent: John Mannix

Company:

Address: 200 E. Fremont St

City: Monroe, WA 98272

Phone: 360-804-2579

Job Site

Address: 351 Short Columbia Street
Building Name: Sky Valley Education Center
Room: Various Buildings
City: Monroe
Zip + 4: 98272
County: Snohomish
Type: School
Age: unknown
Size: unknown

Type of activity: Demolition

Quantity of Asbestos to Be Removed Outdoors

Quantity: square feet

Quantity: 300 linear feet
Other:caulking

Control Measures
Glove bag
Wet methods
HEPA vacuum
Manual methods
Other:regulated area

Respiratory Protection
1/2 mask APR

Comments:
Project on hold.

Date/Time Submitted

8/30/2016 10:35

Dept. of Labor & Industries, Division of Occupational Safety & Health

Asbestos Project Notification Form

Form ID: 135189##1222North228941

Notice Date: 11/22/2016

Start Date: 7/21/2016

Completion Date: 11/22/2016

Status: Amended
On Hold

Site Work Hours: 6:00 am - 4:30 pm

Site Work Days:
Monday
Tuesday
Wednesday
Thursday

Contractor: Northstar CG, LP

Job Site C.A.S.: Jason Olson

Your email address: amoss@northstar.com

Contractor Phone Number: 425-881-0623

Property Owner

Name: Monroe School District

Owner's Agent: John Mannix

Company:

Address: 200 E. Fremont St

City: Monroe, WA 98272

Phone: 360-804-2579

Job Site

Address: 351 Short Columbia Street

Building Name: Sky Valley Education Center

Room: Various Buildings

City: Monroe

Zip + 4: 98272

County: Snohomish
Type: School
Age: unknown
Size: unknown
Type of activity: Demolition
Quantity of Asbestos to Be Removed Outdoors
Quantity: square feet

Quantity: 300 linear feet
Other:caulking

Control Measures
Glove bag
Wet methods
HEPA vacuum
Manual methods
Other:regulated area

Respiratory Protection
1/2 mask APR

Comments:
Project completed.

Date/Time Submitted

11/22/2016 8:52

Certificate of Disposal Report

Generator: SK9976 **Include Associated Generators (co-linked generators): No**

Gen. Signature Start Date: 9/7/2016 **Gen. Signature End Date: 10/31/2016**

Generator	Customer	CD File (click for image)	Manifest No.	Manifest Line No.	Genrtr Sgntr Date	Certificate Type
SK9976	NO29016		010003597FLE	1	9/8/2016	TSCA
SK9976	NO29016		010003597FLE	2	9/8/2016	TSCA

Report Executed on: 11/29/2016 1:51:43 PM

Clean Harbors Aragonite LLC
11600 North Aptus Road
Grantsville UT, 84029
UTD981552177
(435) 884-8100

CERTIFICATE OF DISPOSAL

Manifest Mailing Name:	Sky Valley Education Center		
Manifest Mailing Address:	351 Short Columbia Street Monroe, WA, 98272	Job Address:	351 Short Columbia Street Monroe, WA 98272
Customer Contact Name:	Ms Amani Moss		
		Date Received:	9/12/2016
Generator EPA ID:	WAH000051422	Load #:	74588
Sales Order#:	1602887489	Manifest #:	010003597FLE

Original CH ID #	Date Removed From Service	Unit Type	Serial # / Customer ID	Material Description	Disposal Date	Method of Disposal	Disposal Facility
53713532	8/22/2016	DM	0761061 /	PCB Ballasts For Incineration	10/17/2016	Incineration	Aragonite, UT Facility
53713533	8/22/2016	DM	0761061 /	PCB Ballasts For Incineration	10/17/2016	Incineration	Aragonite, UT Facility
53713534	8/22/2016	DM	0761061 /	PCB Ballasts For Incineration	10/17/2016	Incineration	Aragonite, UT Facility
53713535	8/22/2016	DM	0761061 /	PCB Ballasts For Incineration	10/17/2016	Incineration	Aragonite, UT Facility
53713536	8/22/2016	DM	0761061 /	PCB Ballasts For Incineration	10/17/2016	Incineration	Aragonite, UT Facility
53713537	8/22/2016	DM	0761061 /	PCB Ballasts For Incineration	10/17/2016	Incineration	Aragonite, UT Facility
53713538	8/22/2016	DM	0761061 /	PCB Ballasts For Incineration	10/17/2016	Incineration	Aragonite, UT Facility
53713539	8/22/2016	DM	0761061 /	PCB Ballasts For Incineration	10/17/2016	Incineration	Aragonite, UT Facility
53713540	8/22/2016	DM	0761061 /	PCB Ballasts For Incineration	10/17/2016	Incineration	Aragonite, UT Facility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Authorized Agent

Tuesday, October 18, 2016
Date

Clean Harbors Aragonite LLC
11600 North Aptus Road
Grantsville UT, 84029
UTD981552177
(435) 884-8100

CERTIFICATE OF DISPOSAL

Manifest Mailing Name:	Sky Valley Education Center		
Manifest Mailing Address:	351 Short Columbia Street Monroe, WA, 98272	Job Address:	351 Short Columbia Street Monroe, WA 98272
Customer Contact Name:	Ms Amani Moss		
		Date Received:	9/12/2016
Generator EPA ID:	WAH000051422	Load #:	74588
Sales Order#:	1602887489	Manifest #:	010003597FLE

Original CH ID #	Date Removed From Service	Unit Type	Serial # / Customer ID	Material Description	Disposal Date	Method of Disposal	Disposal Facility
53713541	8/22/2016	CF	0761061 /	PCB Ballasts For Incineration	10/21/2016	Incineration	Aragonite, UT Facility
53713542	8/22/2016	CF	0761061 /	PCB Ballasts For Incineration	10/21/2016	Incineration	Aragonite, UT Facility
53713543	8/22/2016	CF	0761061 /	PCB Ballasts For Incineration	10/21/2016	Incineration	Aragonite, UT Facility
53713544	8/22/2016	CF	0761061 /	PCB Ballasts For Incineration	10/21/2016	Incineration	Aragonite, UT Facility
53713545	8/22/2016	CF	0761061 /	PCB Ballasts For Incineration	10/21/2016	Incineration	Aragonite, UT Facility
53713546	8/22/2016	CF	0761061 /	PCB Ballasts For Incineration	10/21/2016	Incineration	Aragonite, UT Facility
53713547	8/22/2016	CF	0761061 /	PCB Ballasts For Incineration	10/21/2016	Incineration	Aragonite, UT Facility
53713548	8/22/2016	CF	0761061 /	PCB Ballasts For Incineration	10/21/2016	Incineration	Aragonite, UT Facility
53713549	8/22/2016	CF	0761061 /	PCB Ballasts For Incineration	10/21/2016	Incineration	Aragonite, UT Facility
53713550	8/22/2016	CF	0761061 /	PCB Ballasts For Incineration	10/21/2016	Incineration	Aragonite, UT Facility

Under Civil and Criminal Penalties of Law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Authorized Agent

Wednesday, October 26, 2016
Date

Waste Tracking Detail Report

Manifest Dates 9/6/2016 TO 10/31/2016

CLHB Receiving Facility: Aragonite, UT Facility

CLHB Generator ID: SK9976 Sky Valley Education Center Monroe WA 98272 **CLHB Customer ID:** NO29016

Manifest Number:	010003597FLE		Mnfst. Doc. No:	Gen. Sign. Date:	9/8/2016
Work Order:	1602887489	Branch: DI	Generator EPA Id: WAH000051422	Date Recvd:	9/12/2016

Line: 1 **Profile No:** CH1276745 **Manifested Cntnrs:** 9 DM **Total Qty:** 900 P **Inbound Mgt Method Code** H040

Tracking No: 53713532 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/17/2016	H040

Tracking No: 53713533 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/17/2016	H040

Tracking No: 53713534 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/17/2016	H040

Tracking No: 53713535 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/17/2016	H040

Tracking No: 53713536 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/17/2016	H040

Tracking No: 53713537 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/17/2016	H040

Tracking No: 53713538 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/17/2016	H040

Tracking No: 53713539 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/17/2016	H040

Waste Tracking Detail Report

Manifest Dates 9/6/2016 TO 10/31/2016

Tracking No: 53713540 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/17/2016	H040

Line: 2 **Profile No:** CH1276745 **Manifested Cntnrs:** 10 CF **Total Qty:** 5000 P **Inbound Mgt Method Code** H040

Tracking No: 53713541 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/21/2016	H040

Tracking No: 53713542 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/21/2016	H040

Tracking No: 53713543 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/21/2016	H040

Tracking No: 53713544 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/21/2016	H040

Tracking No: 53713545 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/21/2016	H040

Tracking No: 53713546 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/21/2016	H040

Tracking No: 53713547 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/21/2016	H040

Waste Tracking Detail Report

Manifest Dates 9/6/2016 TO 10/31/2016

Tracking No: 53713548 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/21/2016	H040

Tracking No: 53713549 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/21/2016	H040

Tracking No: 53713550 **Code:** CHBI **Wgt:** 100 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Aragonite, UT Facility		Incineration	10/21/2016	H040

CLHB Receiving Facility: Grassy Mountain, UT Facility

CLHB Generator ID: SK9976 Sky Valley Education Center Monroe WA 98272 **CLHB Customer ID:** NO29016

Manifest Number:	010003598FLE		Mnfst. Doc. No:		Gen. Sign. Date: 9/8/2016
Work Order:	1602887489	Branch: DI	Generator EPA Id:	WAH000051422	Date Recvd: 9/20/2016

Line: 1 **Profile No:** CH1287469 **Manifested Cntnrs:** 4 CF **Total Qty:** 300 P **Inbound Mgt Method Code** H132

Tracking No: 53713561 **Code:** CCS **Wgt:** 91 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Grassy Mountain, UT Facility		Landfill	9/28/2016	H132

Tracking No: 53713562 **Code:** CCS **Wgt:** 102 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Grassy Mountain, UT Facility		Landfill	9/28/2016	H132

Tracking No: 53713563 **Code:** CCS **Wgt:** 108 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Grassy Mountain, UT Facility		Landfill	9/28/2016	H132

Tracking No: 53713564 **Code:** CCS **Wgt:** 88 **Wgt UOM:** LBS

Site	Manifest No	Activity	Activity Date	Final Mgt Method Code
Grassy Mountain, UT Facility		Landfill	9/28/2016	H132

PO BOX 94291
SEATTLE, WA 98124
(206) 343-1247
(206) 343-7445 FAX
EPA ID# WAH OOO 026 371

BILL OF LADING

№ 27730

22804

WO# _____

☐ ALASKA
EPA ID # AKR 000 201 897

☐ OREGON
EPA ID # ORO 000 026 789

☐ WASHINGTON - ECOLIGHTS
EPA ID # WAH 000 026 371

☐ WASHINGTON - TOTAL RECLAIM
EPA ID # WAD 009 482 803

GENERATOR OF WASTE:

Name: Sky Valley Education Center
Address: 351 Short Columbia St
City/State/Zip: Monroe, WA 98272
EPA I.D. #: CH1236145
Contact: Tom Flynn
Phone: 360-804-2577

BILLING INFORMATION:

Name: Marlstar
Address: 8160 304th Av SE
City/State/Zip: Issaquah, WA 98027
Contact: Andy Moss
Phone: 425-391-0623
PO #: 07 61061

I certify that the material described below was properly identified and prepared for transportation in accordance with all rules and regulations of the federal, state and local governments in whose jurisdictions the materials originated, passed through or are recycled in

Generator Signature: _____ Print Name: Tom O'Brien Month: 9 Day: 7 Year: 16

I certify that the material described below was tendered to me for transport in accordance with all rules and regulations

Transporter Signature: _____ Company: Marlstar Month: 9 Day: 7 Year: 16

MATERIAL	AMOUNT RECEIVED	AMOUNT PROCESSED	UNIT PRICE	EXTENDED PRICE	INITIALS
STRAIGHT LAMPS 4'	660#				
6'					
8'					
CIRCULAR/U-SHAPED					
COMPACTS (CFLS)					
CRUSHED LAMPS *					
ACCIDENTLY BROKEN LAMPS					
HID LAMPS					
FIXTURES					
OTHER:					
BATTERIES					
NON-PCB BALLASTS					
PCB BALLASTS (NOT AK) *					
OFF SPEC FEE / LABOR					
TRANSPORTATION					

Notes:

STR 222#, 290#, 15T#

*MANIFEST # _____

☐ CASH ☐ CREDIT CARD ☒ ON ACCOUNT TOTAL $_____ ☐ PAID _____ INITIALS

I certify that the material described above was received and consolidated for shipment to EcoLights Northwest for recycling on the date indicated.

Signature of Authorized Agent | Print Name | Company | Date Received: Month | Day | Year

CERTIFICATE OF RECYCLING

By accepting the waste described above, EcoLights certifies to the waste generator that the transportation, storage and processing methods employed are in accordance with all applicable federal, state and local laws.

Signature of Authorized Agent
EcoLights Northwest, LLC
Total Reclaim, Inc
Sonny Veeron

Print Name: Sonny Veeron

Date Received: Month: 9 Day: 7 Year: 16

WHITE & YELLOW - BILLING PINK - CONSOLIDATOR

INVOICE

Invoice No 1001541232

RECEIVED
OCT 4 2016
ENTERED OCT 07 2016

REMIT TO:
Clean Harbors Env. Services
PO Box 3442
Boston, MA 02241-3442

EIN: 04-2698999

OFFICE:
Clean Harbors Environmental Service, Inc.
26328 79th Avenue South
Kent, WA 98032
(253) 639-4240

If you have any questions regarding this invoice, please contact your customer service representative at the telephone number listed above

SOLD TO:
Amani Moss
NorthStar Contracting Group, LP
8160 304th Avenue SE
Issaquah, WA 98027 - 0000

JOB SITE/GENERATOR:
Sky Valley Education Center
351 Short Columbia Street
Monroe, WA 98272 - 0000

Job Description: Drum Shipments

**** Payable in USD funds ****

Last Service Date	Invoice No	Customer	Branch	Sales Order	Purchase Order	Terms
20 Sep 2016	1001541232	NO29016	DI	1602887489	062975.0761061	NET 15 DAYS

Manifest Info	Item ID	Description	Shipment Qty	Shipment UOM	Billing Qty	Billing UOM	Unit Price	Amount
		08 Sep 2016						
010003598FLE 1	DISPSL / CCS	PAINT CHIPS/DUST/SANDBLAST MEDIA CH1287469	4	CF				
	FEE-DISP	Utah Hazardous Waste for Treatment						
	TRANSDOWN	010003598FLE/1 Trans to ultimate disposal facility						
	HUBTRANS	Freight to manifested disposal facility						
010003597FLE 1	DISPSL / CHBI	PCB BALLAST LIGHT FIXTURES FOR INCINERATION CH1276745	9	DM				
	FEE-DISP	Utah PCB Waste for Disposal						
010003597FLE 2	DISPSL / CHBI	PCB BALLAST LIGHT FIXTURES FOR INCINERATION CH1276745	10	CF				
	FEE-DISP	Utah PCB Waste for Disposal						
010003597FLE	TRAN	TRANSPORTATION						
	HUBTRANS	Freight to manifested disposal facility						

Interest will be charged at a rate of 1.5% per month for all past due amounts.

Invoice Date: 23 Sep 2016

PLEASE RETURN A COPY OF INVOICE WITH PAYMENT - THANK YOU

ED_004522_00089866-00530