PBS | Engineering + Environmental

# 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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# CLOSEOUT SUMMARY REPORT

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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 (*u*g) 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 *ug*/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.

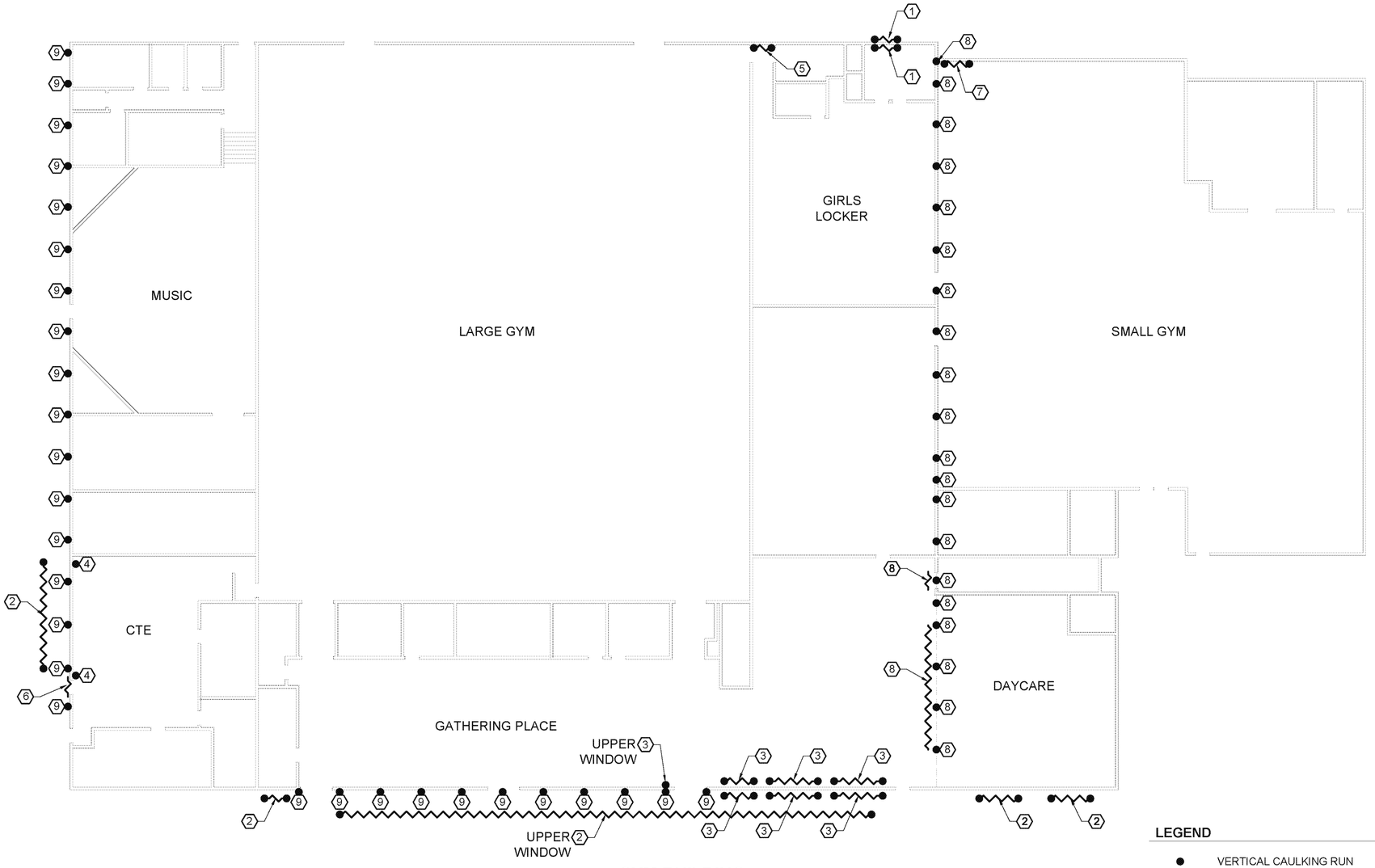
All final post abatement asbestos air samples were less than the EPA AHERA criteria 0.01 f/cc. See Tab 7 for field drawings and laboratory data.

**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

## LEGEND

- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUNS

## GENERAL NOTES

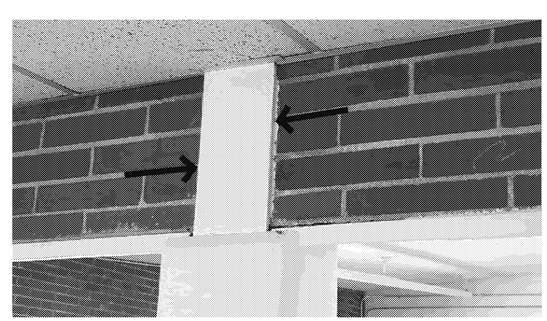
1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION 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

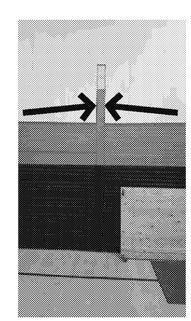
1. REMOVE APPROX. 20 LF OF PCB-CONTAINING CAULKING LOCATED ON THE EXTERIOR AND INTERIOR METAL WINDOW FRAME ON THE GIRLS LOCKER ROOM NORTH PERIMETER WINDOW AS SHOWN.
2. REMOVE APPROX. 300 LF OF PCB-CONTAINING CAULKING ON THE EXTERIOR METAL WINDOW FRAMES ON ALL WINDOWS AT THE SOUTH AND WEST ELEVATIONS 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

## 2 9 PHOTO DETAIL



## 8 PHOTO DETAIL



## 8 PHOTO DETAIL

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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 |

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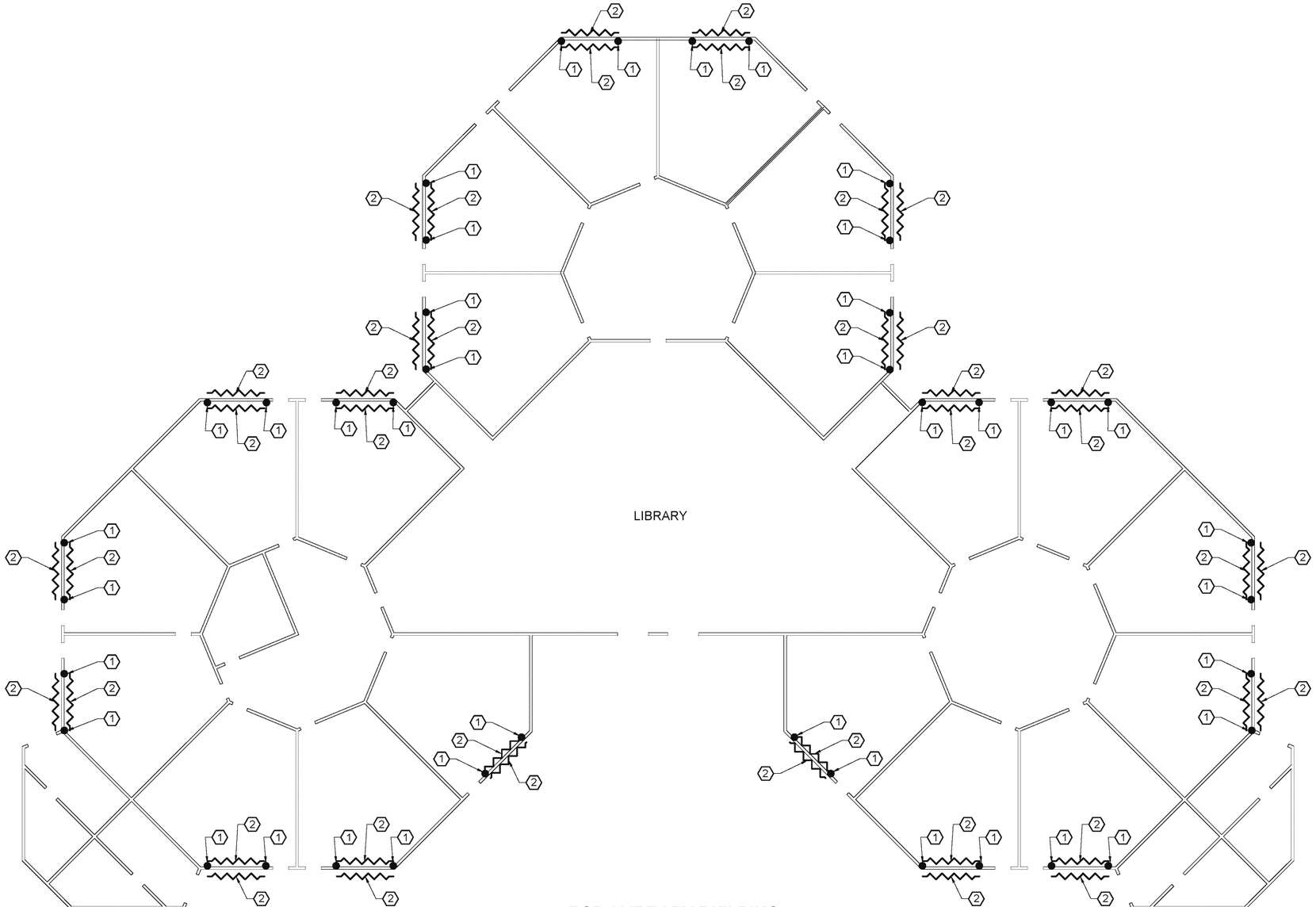



## POD / LIBRARY BUILDING

NOT TO SCALE

## GENERAL NOTES

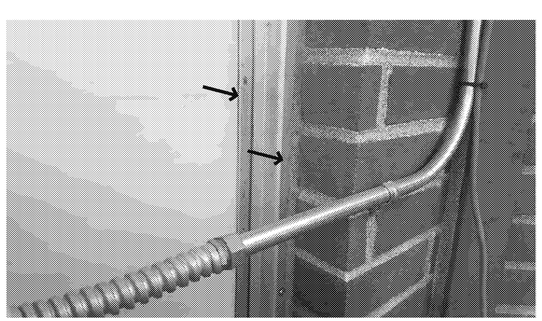
1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION 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.
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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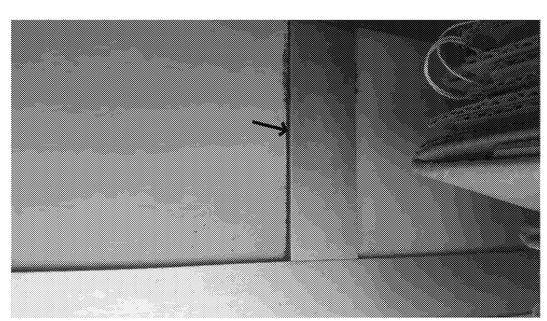

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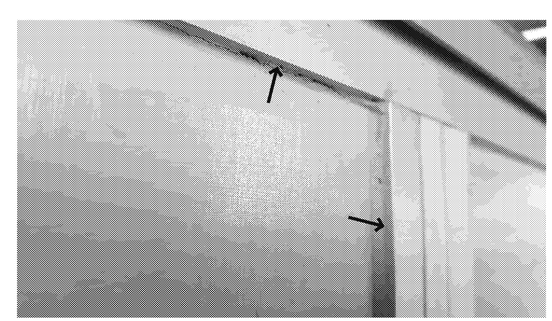

2 PHOTO DETAIL

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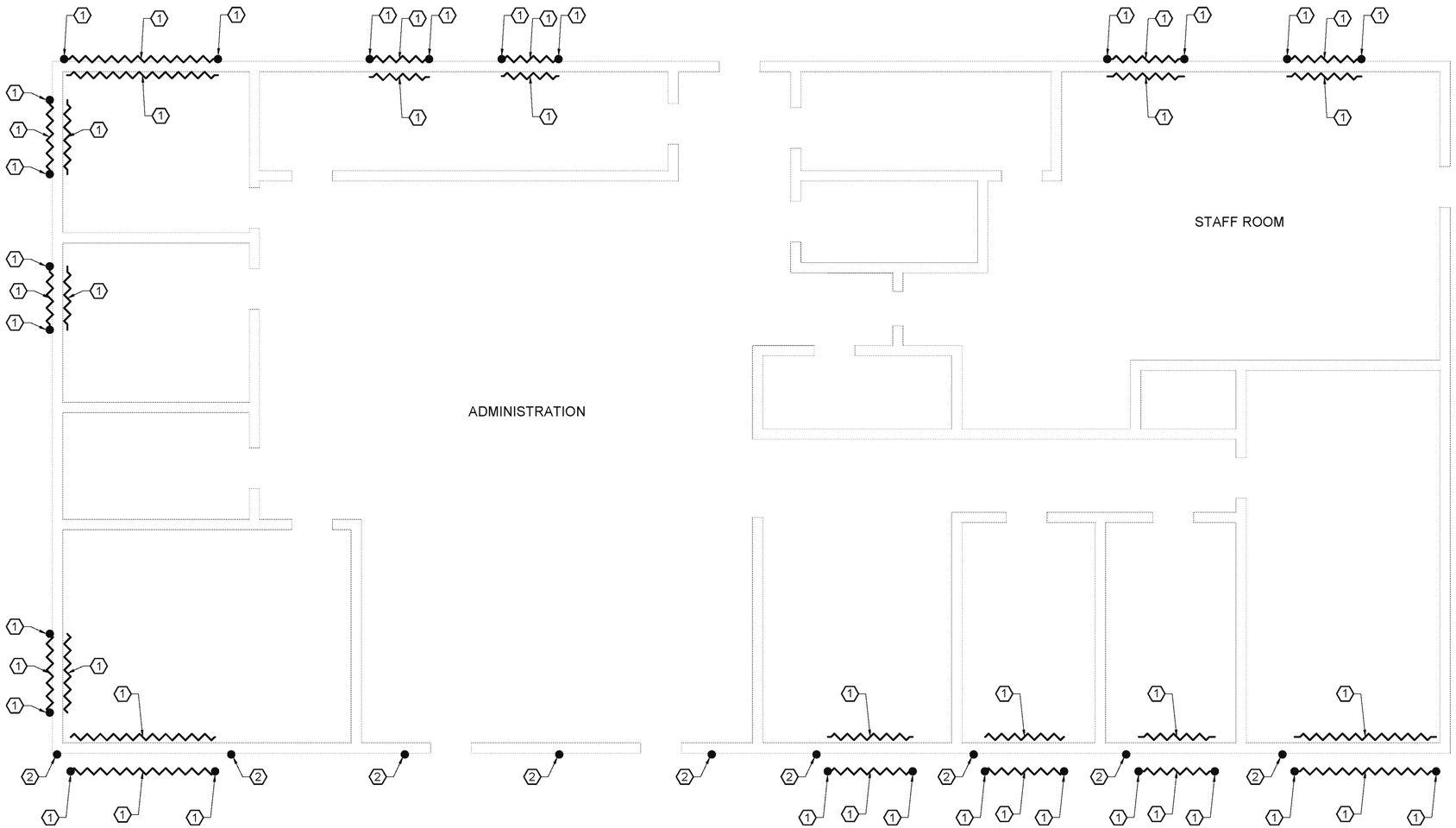
MONROE SCHOOL DISTRICT

# POD/LIBRBAY BUILDING CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

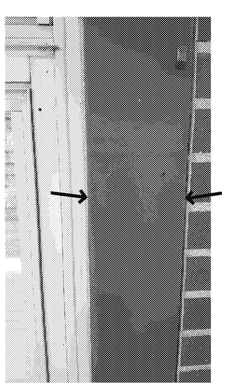
| | |
|---|---|
| PROJECT: | 41373.000 |
| DRAWN: | JHD |
| CHECKED: | GM |
| DATE: | JUNE 2016 |
| DWG NO. | HM2 |
| SHEET NO. | 2 OF 5 |




## ADMIN BUILDING

NOT TO SCALE

1 PHOTO DETAIL



2 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. 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
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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. HM3 | SHEET NO. 3 OF 5 |

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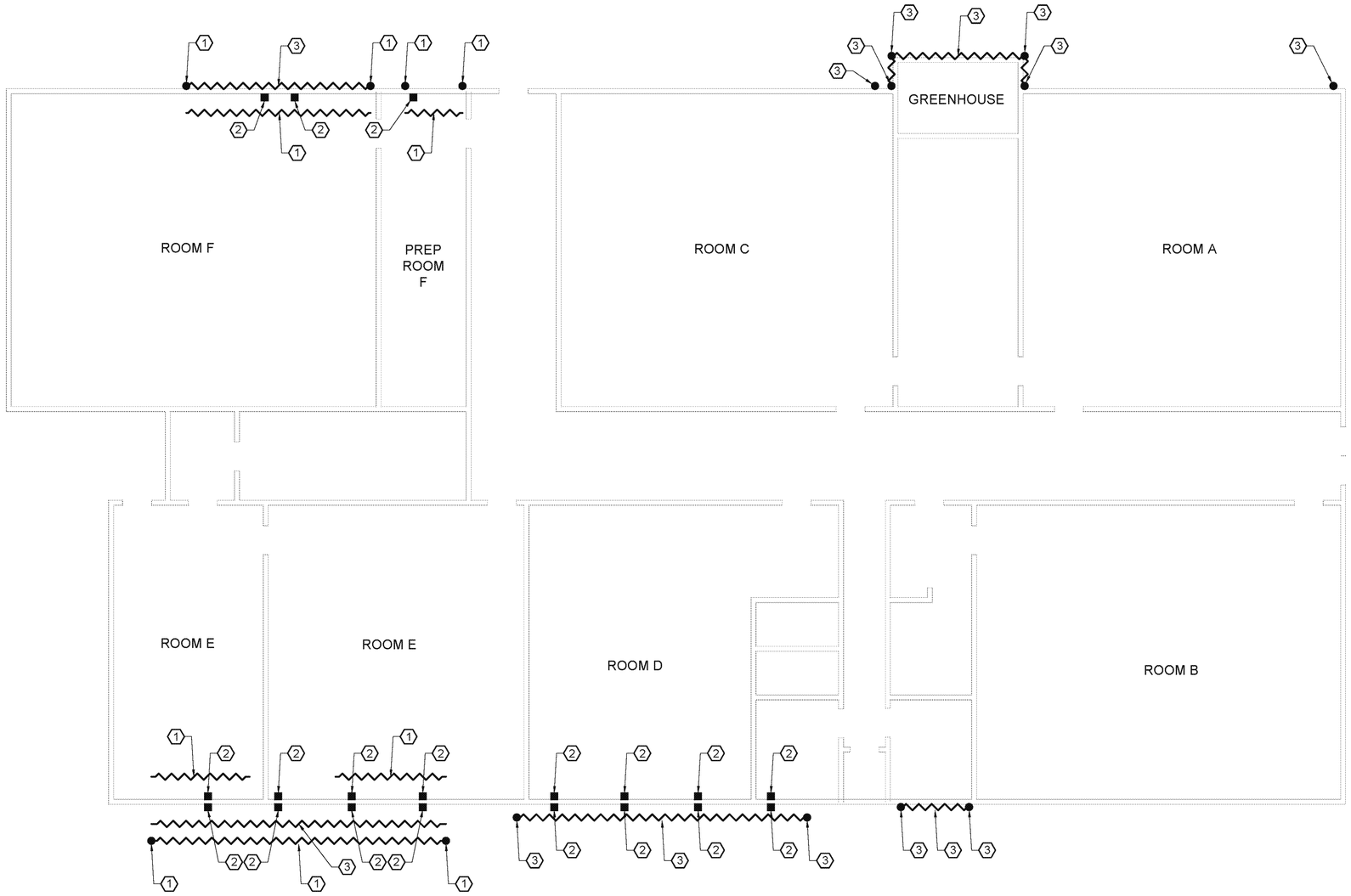



## ANNEX BUILDING

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.

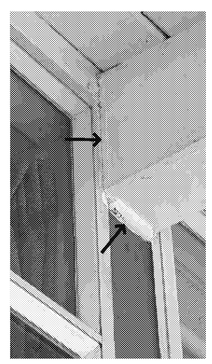
(2) REMOVE APPROX. 80 LF OF PCB-CONTAINING CAULKING ON WOOD CEILING/SOFFIT BEAMS AT PERIMETER WALL/CEILING TRANSITIONS IN ROOMS E, F AND PREP ROOM F AS SHOWN.

(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.

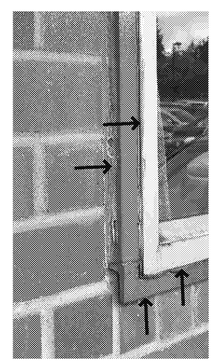
## LEGEND

- ● VERTICAL CAULKING RUN
- ■ CAULKING ON BEAM
- 〰 HORIZONTAL CAULKING RUN

(1)(2)(3) PHOTO DETAIL



(2) PHOTO DETAIL



(1)(3) PHOTO DETAIL

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PBS
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MONROE SCHOOL DISTRICT

# ANNEX BUILDING CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

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| | |
|---|---|
| PROJECT: | 41373.000 |
| DRAWN: | JHD |
| CHECKED: | GM |
| DATE: | JUNE 2016 |
| DWG NO. HM4 | SHEET NO. 4 OF 5 |

## 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.

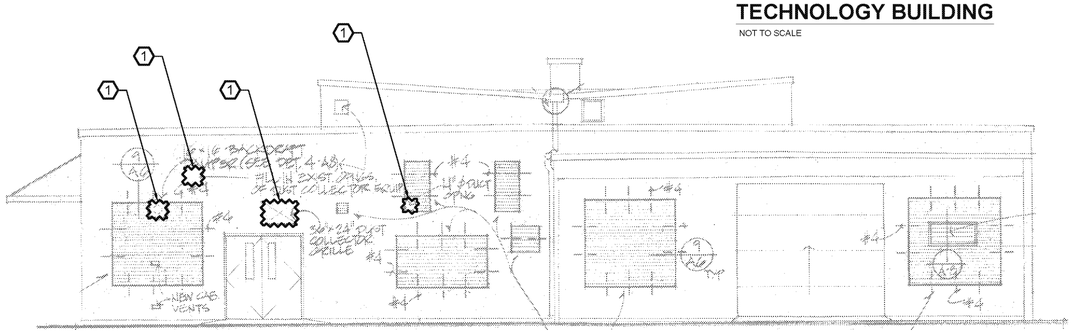
2. REMOVAL OF HAZARDOUS MATERIALS MAY COMPROMISE THE SECURITY OF THE SITE. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINTAINING SITE SECURITY AND PUBLIC SAFETY THROUGHOUT THE PROJECT. SEE SPECIFICATIONS REGARDING SECURITY AND PUBLIC SAFETY.

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.

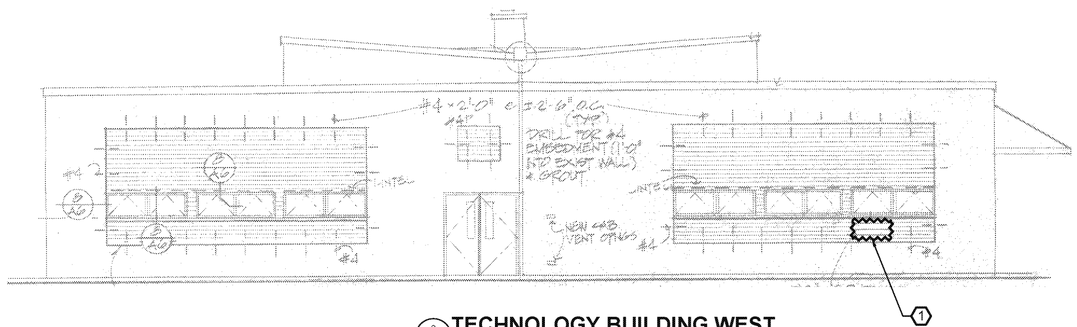
## KEY NOTES

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.




1 HM5 **TECHNOLOGY BUILDING EAST**

NOT TO SCALE




2 HM5 **TECHNOLOGY BUILDING WEST**

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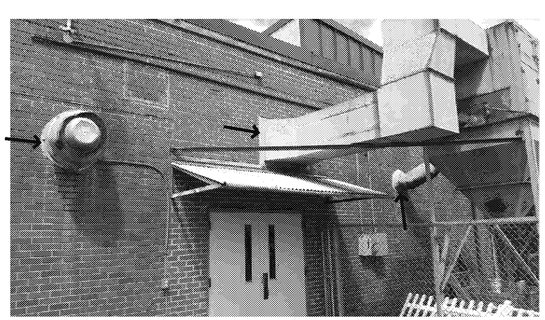

1 **PHOTO DETAIL**

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| DWG NO. HM5 | SHEET NO. 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

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 10$u$g/100$cm^2$ (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

# 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/m² per coat. 0.2 kg/m² = 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): Cel Alvarez
Contractor on Site Personnel: Amoni Moss, and Erik Fulwiler
Project Manager (Yes) No Supervisor (Yes) No
Workers (Yes) No Name: Jason Olson
How Many? ~~#~~ 12
Air Monitoring Personnel on site: Cel Alvarez

Project Name: Sky Valley Education Center
Project No.: 41373.000 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, Miginzi Group, Inc.

WORK DESCRIPTION: PCB Abatement - caulking

WORKER PROTECTION: 1/2 Face w/ stacked filters.

METHOD OF REMOVAL: See Northstar Work Plan

OBSERVATIONS: 6:00 - Training by Doug Henry, Miginzi Group, Inc. (425) 398-2300
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 Fulwiler 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 in the inside of the room.
8:47 - NS. will not be doing any abatement today. PBS leaving site.

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

CHANGES IN SCOPE: None

| QUANTITY AND TYPE REMOVED THIS SHIFT/ PHASE: | BUILDING/AREA/LOCATION |
|---|---|
| Caulking — | ~~Ann~~ Annex, Pool, 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

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

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

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 stack 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 ~~E~~ 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. Also reminded superiser 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 brick. Per superisor, 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 [redacted] REMOVED THIS SHIFT/ PHASE: | BUILDING/AREA/LOCATION |
|---|---|
| Annex Caulking - | Annex |
| | |

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

Signature: [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. 4P373 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 cloth. They are setting up at the exterior of Room F and the green house of the Annex.
~~12:00~~ 11:30 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

[redacted] 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 1/2 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.

11:15 - 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 [redacted] REMOVED THIS SHIFT/ PHASE: | BUILDING/AREA/LOCATION |
|---|---|
| Caulking: 371 Lf | Annex |

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

Signature: [signature]
Name: C. Alvarez Date: 7/28/16

# PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor

PBS Site Observer(s)

Contractor on Site Personnel: Same CA

Project Manager Yes No Supervisor Yes No

Workers Yes No Name:

How Many?

Air Monitoring Personnel on site:

Project Name Sky Valley Ed Ctr.

Project No. 41393.000 Date 7/28/16

Report No. 3 Time 6:00 am/pm

Page 2 of 2

Weather Temperature F

Summary Phase Status

Other Personnel on Site CA same

WORK DESCRIPTION:

WORKER PROTECTION: same CA

METHOD OF REMOVAL:

OBSERVATIONS:

14:00 - Workers begin to seal up containments and remove all drop poly from exterior of building. They also remove the marking cones and barrier 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: Caulking: 331 LF

BUILDING/AREA/LOCATION: 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

| | |
|---|---|
| ~~Asbestos~~ Contractor North Star | Project Name Sky Valley Ed Ctr. |
| PBS Site Observer(s) Cel Alvarez | Project No. 41373.000 Date 7/29/16 |
| | Report No. 4 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 | Summary Phase Status — |
| How Many? 8+1 | Other Personnel on Site MSD |
| Air Monitoring Personnel on site: Cel Alvarez | |

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

WORKER PROTECTION: Standard 1/2 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 1/2 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 in 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 justifying what areas and quantities he has removed.

10:00 - ~~Detrin~~ Derlin P. is onsite with other contractors, he is showing contractors the Annex building and other area. He asked how ~~wear~~ are doing. He ~~also~~ 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 ~~[illegible]~~ 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: [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: Sky Valley Ed Ctr
Project No. 41 37 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 Derlin also wanted to confirm I took pictures of the areas were caulking was removed per EPA's request. I advised him we are definitely doing that. NS also breaks for lunch. Derlin 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 environmental 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 things up for the day. Advise supervisor to seal all contaminants.
14:30 - PTB 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: [signature]
Name: C. Alvarez Date 7/29/16

# PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

| | |
|---|---|
| [redacted] Contractor: North Star | Project Name: Sky Valley Ed Ctr. |
| PBS Site Observer(s): Cel Alvarez | Project No.: 413313 Date: ~~7/29/16~~ 8/1/16 |
| | Report No.: 5 Time: 6:00 am/pm |
| Contractor on Site Personnel: | Page 1 of 2 |
| Project Manager (Yes) No Supervisor (Yes) No | Weather: Clear Temperature: 60's F |
| Workers (Yes) No Name: Jason Olson | Summary Phase Status |
| How Many? 8+1 | 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 ½ 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 inlet 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 [redacted] REMOVED THIS SHIFT/ PHASE: | BUILDING/AREA/LOCATION |
|---|---|
| Caulking | |

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

Signature: [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

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

Project Name: Sky Valley Ed Ctr
Project No.: 41373.006 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 filters, 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.
8:00 Visually check prep room F and Room F. 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 F. They have a negative air machine running with a charcoal filter which is venting to the outside. Worker is wearing 1/2 face respirator.
10:00 - Starting my paint chip samples in the pools 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 still was dust left over in the duct work. Workers should really in and clean it thoroughly.

ITEMS OF CONCERN: Duct work not completely cleaned

CHANGES IN SCOPE: None.

| QUANTITY AND TYPE [redacted] 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: [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

K 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 supervisor if they could close the windows when they leave the site. He agreed.

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

Name: C. Alvarez

Signature:

Date: 8/2/10

# PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

| | |
|---|---|
| Contractor: North Star | Project Name: Sky Valley Ed. Ctr. |
| PBS Site Observer(s): Cel Alvarez | Project No. 41373.000 Date 8/3/16 |
| | Report No. 7 Time 6:00 am/pm |
| Contractor on Site Personnel: Amani Moss | Page 1 of 2 |
| Project Manager (Yes) No Supervisor (Yes) No | Weather Cloudy Temperature 65 F |
| Workers (Yes) No Name: Jason Olson | Summary Phase Status — |
| How Many? 8 | Other Personnel on Site Ventilation Power cleaning, Inc. |
| Air Monitoring Personnel on site: Cel Alvarez | |

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 building. The fans were running over night. Inspected all the containments ~~over~~ and there were 2 containment 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 ~~abated~~ abating residual caulking at Rm F and Prep Rm F. Workers wearing they ½ face respirator and tyvek suits (2). They are scrapping harder.

8:00 - Erik Brunter 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 - Dalin P. shows up onsite to take a look at the work in the Annex and wondering why light fixtures are still up. NS they are going to start on it on monday.

ITEMS OF CONCERN: Duct Work

CHANGES IN SCOPE: Goof OFF spray being used

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

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

Signature: [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 to 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 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 them to only use it on metal surfaces. Advised they it is visible and may linger after for awhile.

1430 - PBS Leaving site.

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

Name: C. Alvarez

Signature: Date: 8/3/16

# PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

| | |
|---|---|
| Contractor: North Star | Project Name: Sky Valley Ed Ctr. |
| PBS Site Observer(s): Cel Alvarez | Project No. 41573.080 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 with state filters.

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

OBSERVATIONS: 6:00 Arrived onsite with NS doing stretch and flex. I also opened all accessable windows and have left all the fans running all night.
6:20 Derlon P. shows up onsite to view the duct work. Also would like NS to remove the all light fixtures in the Annex and North Pod by monday. Also would like the building cleared for all PCB caulking so we can run PCB air clearances.
7:00 - Advised NS that their air sample (personal) was above the TWA PEL results. Advised supervisor they to maintain wearing their respirator and 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 receiving 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 but 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 OF MATERIAL 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 8/4/16

#8

# 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. I 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 ~~clean~~ 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 mation 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
Project Name: Sky Valley Ed Ctr.
Project No. 41373.000 Date 8/5/16
Report No. 9 Time 6:00 am/pm
Page 1 of 2
Contractor on Site Personnel: Amani Moss
Project Manager (Yes) No Supervisor (Yes) No
Weather: Clear Temperature 57-77 F
Workers (Yes) No Name: Jason Olson
Summary Phase Status —
RH 84%
How Many? 10+1
Other Personnel on Site: VPC
Air Monitoring Personnel on site: Cel Alvarez

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 & 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 charcoal filters in pod they are actively cleaning the caulk. They are wearing their ½ face respirators, tyvek suits (double), nitrile gloves. Jason Olson and I go back 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 CAB 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 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 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~~ 41333.000 DATE: 8/5/16

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

WORK DESCRIPTION: Cattle Moate

OBSERVATIONS:

11:45 Workers return to lunch and they continue with stacking the room/pods.
They are wearing their typical pants and 1/2 face respirators.
12:00 - Workers setting containments in the Annex for carpetting 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

[redacted] 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? 70 H
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/ steel 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 [redacted] 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
PBS Site Observer(s): C. Alvarez

Project Name: Sky Valley Ed Ctr
Project No.: 41253.000 Date: 8/10/16
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: C. Alvarez

Weather: Clear Temperature: 53 F
Summary Phase Status:
Other Personnel on Site: Staff

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 windows open during the day and running fans to air out the smell. NS is doing their daily stretch and flex. The scope of work today is to prep the Annex with containments for the caulking removal. They are also taping the edges and prepping for material removal. They are also removing the light fixtures in the Annex. Workers are using a lift and PPE to 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 [redacted] 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:
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

[redacted] 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
Air Monitoring Personnel on site: Cel Alvarez

Weather: Clear Temperature: 61-75 F
Summary Phase Status: —
Other Personnel on Site: Staff

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~~ onsite and meet up 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. ~~[illegible]~~ 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 contained 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 disassembling 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: 2:00pm 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: [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 ~~40000.293~~ 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 walls on CAB.

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

1430 - PBS and NS are 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.: 41393.000 Date: 8/15/16
Report No.: 14 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: Clear Temperature: 57-80 F
Summary Phase Status: —
Other Personnel on Site: McKenzie.

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 morning 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 cartidge 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 McKenzie employee, Sean Miller, for TWA. They will be attaching light fixtures in the Pods/Library today and will be drilling into ACP 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 encapsulant/epoxy this afternoon. We ~~will~~ are going to take photos of the work.

They have been working on the start 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: | BUILDING/AREA/LOCATION |
|---|---|
| Caulk and Light Fixture | 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

K DESCRIPTION: Caulk and light fixture

OBSERVATIONS:

10:00 - Working on trying to download photo for before and after. We need per Devin, a before and after caulking on the building. Moving 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 practice.

14:00 - NS noticed they were painting the windows frame and the non-porous area metal area was not drying 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: Cel 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. 41873.000 Date 8/16/16
Report No. 15 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 Clear Temperature 59-77 F
Summary Phase Status RH-89%
Other Personnel on Site Mckinstry

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. Worker will continue abating the caulking at the exterior of the ~~bld~~ Admin building. 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 ~~Detrin~~ Devlin said it was approved. I confirmed with Devlin that it will be okay.
8:00 - Visually checked the base coating of the Annex and there looks like a good base layer. They are also moving to the Pods to start there, too. They did missed 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 Devlin shows up to notify ~~we~~ 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

#15

# 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: 8/16/16

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. Advised to treat as ~~ACM~~ PCB containing, which per spec 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 recieved 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
PBS Site Observer(s): Cel Alvarez

Project Name: Sky Valley Ed Ctr.
Project No.: 41393.000 Date: 8/17/16
Report No.: 16 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: Clear Temperature: 73 F
Summary Phase Status: —
Other Personnel on Site: MSD

WORK DESCRIPTION: Caulking removal and light fixture removal.

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

METHOD OF REMOVAL: Razor scraping, wire brush, heat gun, 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 ~~rem~~ 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 15 and Room 5. 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 Midlaugh 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 glass. The area where it opens 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 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 ~~40008.233~~ 41373.000 DATE: 8/17/16

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

RK DESCRIPTION: Caulking abatement and light fixtures

OBSERVATIONS:

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

11:45 - NS returns ~~to~~ from 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 capturing 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: Cel Alvarez

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

# PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] 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?
Air Monitoring Personnel on site: Cel Alvarez

Project Name: Sky Valley ~~Ele~~ Ed Ctr.
Project No. 41393.000 Date 8/18/16
Report No. 17 Time 6:00 (am)/pm
Page 1 of 2
Weather: Clear Temperature 66 F
Summary Phase Status —
Other Personnel on Site: MSD, EPA

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. Dublin says to expect EPA to show up today.

8:00 - No change in work scope. Workers All 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 with Kendall Moore the percentages of caulking removed from the buildings. ~~He's~~ We all agreed that the Annex was 99% ~~co~~ 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 |
|---|---|
| | |
| | |
| | |

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

Signature:
Name: Date

2/17

# 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: 8/18/16

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

WORK DESCRIPTION: Caulk and Epoxy application

OBSERVATIONS:

The cop 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: Date: 8/18/16

# PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

| | |
|---|---|
| ~~Asbestos~~ Contractor: North Star | Project Name: Sky Valley Ed Ctr |
| PBS Site Observer(s): Cel Alvarez | Project No.: 4B73.000 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: Mckenstry |
| 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 PVC tube sampling clearance for PCBs. 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 rolled coat of tan paint where they removed the caulking.

~~Workers~~ 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 PVC samples for the Annex. Then later, I will start with my wipe samples. Gregg McClough should be arriving later today to bring more sampling supplies and help me with the wipe sampling.

**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 re clean. 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

[redacted] Contractor: North Star
PBS Site Observer(s): Cel 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? 8+1
Air Monitoring Personnel on site: Cel 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 PCB air clearance tomorrow at the Admin building. There are 9 areas that need to be cleared. Northstar is planning to finish the interior gym building. I will visually inspect the areas.

7:00 Workers suit up with tyveks 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 Daycare 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. Derek 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 [redacted] 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: [signature]
Name: Cel Alvarez
Date: 4/23/16

#19

# PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Mesmy MS Reconfiguration Phase V~~ Sky Valley Ed Ctr PROJECT NO ~~40008.283~~ 41353.000 DATE: 8/23/16

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: Cel 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 dealing fine.

13:30 - Had a discussion with NS Star supervisor to keep containments up in the Admin per Darlene'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 ormation is correct and accurate.

Name: Cel Alvarez

Signature: Date: 8/23/16

# PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

| | |
|---|---|
| ~~Subcontractor~~ Contractor: North Star (NS) | Project Name: Sky Valley Ed Ctr |
| PBS Site Observer(s): Cel Alvarez | Project No.: 41973.000 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: Maintenance / 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 scrapers, steel brush, oscillating tools

**OBSERVATIONS:**

6:00 - Today NS is going to complete caulking abatement of the little gym and coat it with epoxy ~~one~~ with 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 contaminants 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 on 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 |
| | Teen Dining |
| | |

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: 5/24/12

ABATEMENT CONTRACTOR: North Star PBS OBSERVER: Cel 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. It will clean and wipe sample in the inside of the Admin Building.

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

Name: Cel Alvarez

Signature: Date: 5/24/12

# PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

| | | | |
|---|---|---|---|
| [redacted] Contractor | North Star | Project Name | Sky Valley Ed Ctr. |
| PBS Site Observer(s) | Cel Alvarez | Project No. | 4353.000 |
| | | 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 |
| Workers Yes No | Name: Jason Olson | Temperature | 55-82 F |
| How Many? 8+1 | | Summary Phase Status | — |
| Air Monitoring Personnel on site: | Cel Alvarez | Other Personnel on Site | Melendrez, MSD Staff |

**WORK DESCRIPTION:** Caulking removal and epoxy application.

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

**METHOD OF REMOVAL:** Razor scraping

**OBSERVATIONS:**

6:00 - NS shows up on site and ~~begins their scope~~ of work for the day is to apply epoxy for the small gym. They are also doing 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 CMU panels. They regulate the area and place a poly drop cloth on the floor.

8:00 - Dexter and I are going to drill holes on the demising walls from Room 6-11 to inspect if there is any mold growth on the cavity of the demising 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 ~~interior~~ of the pods. They are adding the second coat of paint. It should be dry by tomorrow. Once ~~in 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. | 41373.000 |
| | | Date | 8/26/10 |
| | | 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 | Monitoring |
| 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 scaffold 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 that needed caulking removed

9:00 - NS is finishing ~~on ex~~ 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 workers prepping the Gym for epoxy applications

12:00 - No change to work scope

14:30 - PBS cleaned 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 8/26/10

#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

| | |
|---|---|
| [redacted] Contractor North Star | Project Name Sky Valley Ed Ctr. |
| PBS Site Observer(s) Cel Alvarez | Project No. 41323.000 Date 8/29/16 |
| | Report No. 23 Time 6:00 am/pm |
| Contractor on Site Personnel: | Page 1 of 2 |
| Project Manager Yes (No) Supervisor (Yes) No | Weather Overcast/Clear Temperature 55-75 F |
| Workers (Yes) No Name: Jason Olson | Summary Phase Status — |
| How Many? 8+1 | Other Personnel on Site McKinstry |
| Air Monitoring Personnel on site: Cel Alvarez | |

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

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

METHOD OF REMOVAL: Razor and wire brush removal

OBSERVATIONS:

6:00 PBS doing PCB air clearances for East and South pod, CTE, Commons, daycare, weight room, Girl locker x 2. ~~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 banner 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 day, which should be available to clear on sept. 1st. ~~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

1300 - NS continues to work with no change to scope

ITEMS OF CONCERN: None

CHANGES IN SCOPE: None

| QUANTITY AND TYPE [redacted] REMOVED THIS SHIFT/ PHASE: | BUILDING/AREA/LOCATION |
|---|---|
| Caulk | ~~Small~~ Gym |
| | Tech Bldg |
| | Pods |

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

Signature: [signature]

Name: C. Alvarez Date 8/29/16

#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 wipe samples for East and South pool, CTE, gathering, Locker, and locker hallway

14:30 - PBS is at Fedex shipping packages

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 | Project Name | Sky Valley Ed Ctr. |
| PBS Site Observer(s) | Cel Alvarez | Project No. | 41343.008 |
| | | Date | 8/30/16 |
| | | Report No. | 24 |
| | | Time | 6:00 am/pm |
| Contractor on Site Personnel: | | Page | 1 of 2 |
| Project Manager Yes (No) | Supervisor (Yes) No | Weather | Overcast |
| Workers (Yes) No | Name: Jason Olson | Temperature | 60s F |
| How Many? | | Summary Phase Status | — |
| Air Monitoring Personnel on site: | Cel Alvarez | Other Personnel on Site | McKinstry |

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

**WORKER PROTECTION:** ½ 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 guaze 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: [signature]

Name: Cel Alvarez Date 8/30/16

#24

# PBS ENGINEERING + ENVIRONMENTAL FIELD OBSERVATION REPORT - ADDITIONAL PAGE

Project Name: ~~Meany MS Reconfiguration Phase V~~ Skyvalley 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. 41373.000 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? 13+1
Air Monitoring Personnel on site:

Weather: Overcast/Rain Temperature 65° F
Summary Phase Status: Construction
Other Personnel on Site: Intensity, Howies 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 - ~~Refer~~ 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 ~~PS~~ NS breaking ~~foo~~ for lunch.

12:00 NS in progress of prepping areas of the Annex at the exterior soffit for painting. They are laying a drop cloth 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<br>Exterior of pods |

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

Signature: [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
ormation is correct and accurate.

Name: Cel Alvarez

Signature: [signature] Date: 8/31/16

# 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 9/1/16 |
| | Report No. 26 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? | Other Personnel on Site Mckinstry |
| Air Monitoring Personnel on site: Cel Alvarez | |

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 clothe, etc.

OBSERVATIONS:

6:00 PBS setting up clearance for PCB in Small Gym. Also will complete soil sampling and collect all wipe samples. NS will continue applying epoxy through out 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. Observe 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 ~~Cont~~ NS takes lunch.

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

ITEMS OF CONCERN: None

CHANGES IN SCOPE: None

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

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

Signature: [signature]

Name: Cel 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. ~~40000.293~~ 41373.000 DATE: 9/1/16

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

K 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 sample 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:

Date: 9/1/16

# PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

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

Project Name Sky Valley Ed Ctr.
Project No. 41373 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

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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 ~~40008.233~~ 41373.000 DATE: 9/2/16

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

K DESCRIPTION: epoxy application

OBSERVATIONS:

11:00 NS Breaks for lunch.

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

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

14:00 - NS wrapping up for the long weekend

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

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 | Project Name: SVEC |
| PBS Site Observer(s): Cel Alvarez | Project No. 41737.000 Date 9/6/16 |
| | Report No. 28 Time 6:00 am/pm |
| Contractor on Site Personnel: | Page 1 of 2 |
| Project Manager Yes (No) Supervisor (Yes) No | Weather Rain Temperature 55-66 F |
| Workers (Yes) No Name: Jason Olson | Summary Phase Status — RH 95% |
| How Many? 9+1 | Other Personnel on Site Melentrog, Flowing |
| Air Monitoring Personnel on site: Cel Alvarez | |

WORK DESCRIPTION: Application of Epoxy to windows and columns

WORKER PROTECTION: 1/2 face respirator, tyvek suits, regulate 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 ~~sup~~ surface.

8:00 - NS and I placed barrier 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 touch 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 [redacted] 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: [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: North Star
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 soil 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:
Date: 9/7/16

# PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor: Northstar
PBS Site Observer(s): Cel Alvarez

Project Name: SVEC
Project No.: 41313
Date: 9/7/16
Report No.: 29
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: Cel Alvarez

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 ~~of~~ and all caulk is gone. Advise NS supervisor to apply epoxy 1st layer (red). I also visually inspected all the areas that were tan painted w/ epoxy and notified the supervisor they need to ~~cov~~ cover all the red paint in ~~areas~~ 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. ~~He's~~ Supervisor said they did not ~~because~~ it would not look good and frames will be present now that the area ~~is~~ 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 Darlin, NS has to fullfill their 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 [redacted] REMOVED THIS SHIFT/ PHASE: | BUILDING/AREA/LOCATION |
|---|---|
| None | Gym/Annex/Gym |
| | |

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

Signature: [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 ~~40008.232~~ 41337.000
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 continuing 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/ballast to load out but the ~~dump~~ ~~heavy~~ 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

# PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] 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 Mekenstry, 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 - Recovered 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 NW 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 [redacted] REMOVED THIS SHIFT/ PHASE: | BUILDING/AREA/LOCATION |
|---|---|
| / | Pods |
| | Gym |

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

Signature: [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 Ctr PROJECT NO ~~40000.203~~ 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 - Leaving site to bring soil samples to onsite hopefully its the last time.

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

Name: Cel Alvarez

Signature: Date: 9/8/16

# PBS ENVIRONMENTAL FIELD OBSERVATION REPORT

[redacted] Contractor: North Star
PBS Site Observer(s): Cel Alvarez
Contractor on Site Personnel:
Project Manager Yes (No) Supervisor (Yes) No
Workers Yes (No) Name: Tason 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 ~~to~~ 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 dated during the project.

ITEMS OF CONCERN: None

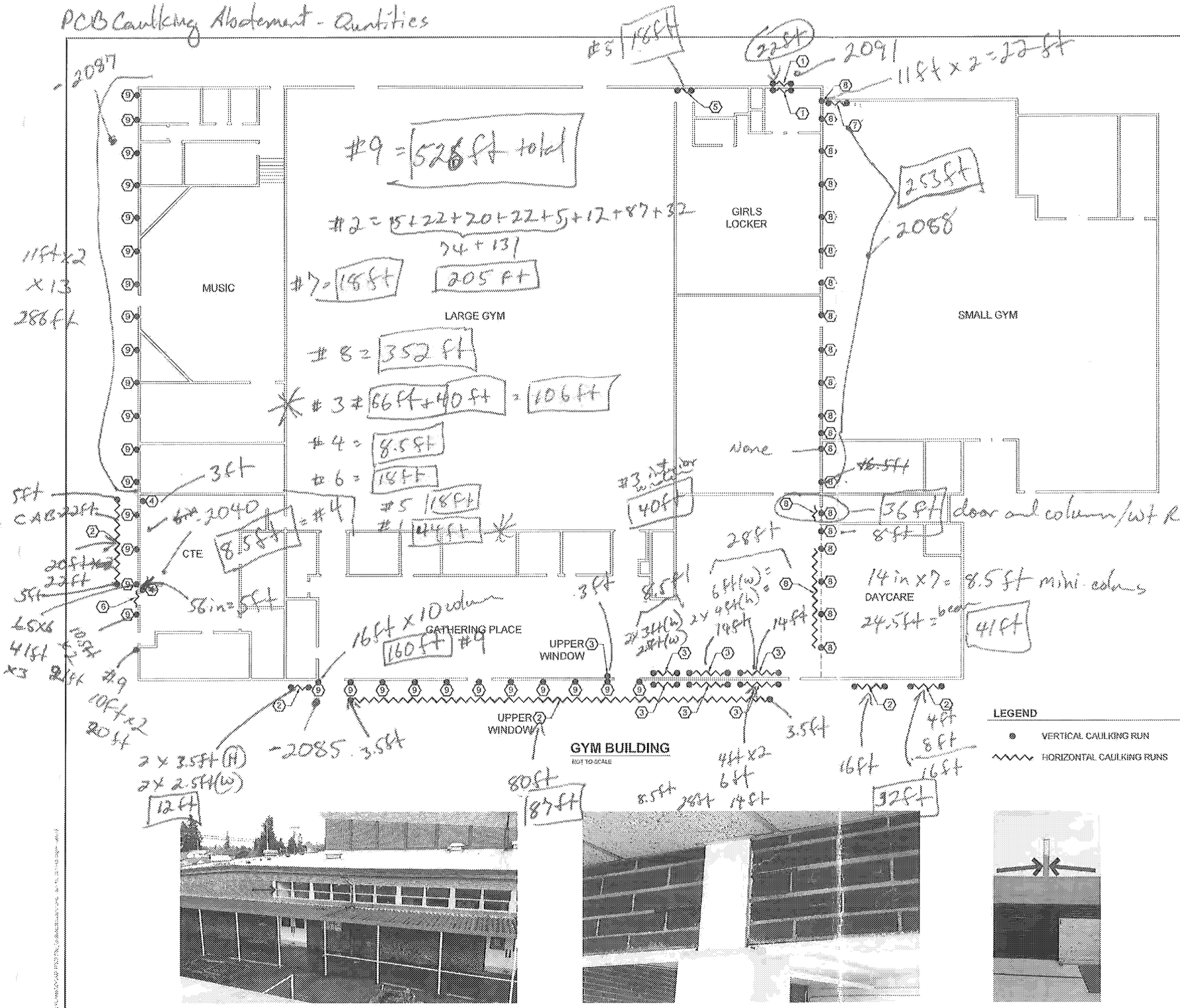
CHANGES IN SCOPE: None

| 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






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. 28 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 |

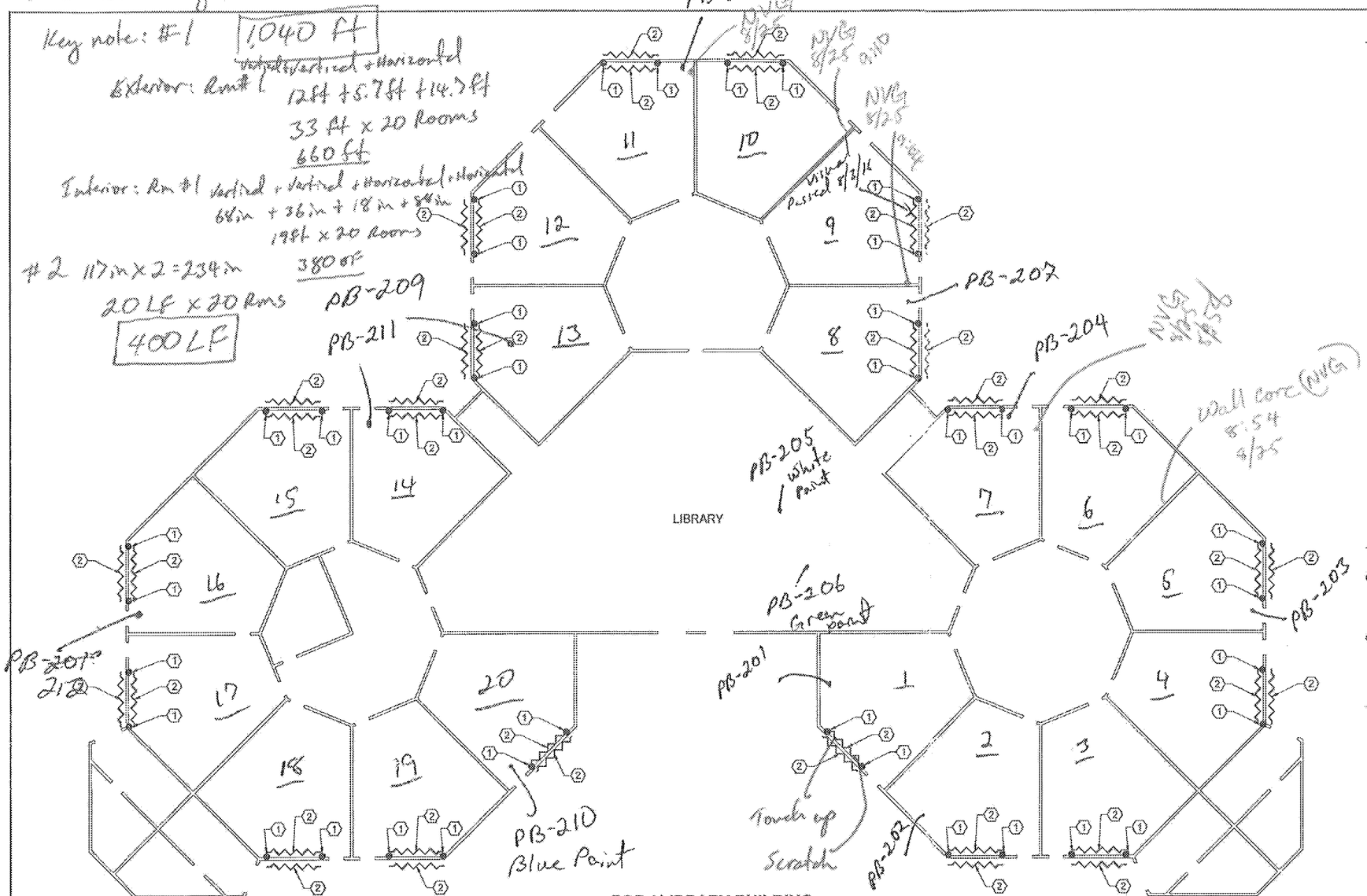
PCB Caulking Abatement - Quantities

Key note: #1 1,040 ft

Exterior: Rm# 1 12ft + 5.7ft + 14.3ft
33 ft x 20 Rooms
660 ft

Interior: Rm #1 vertical + vertical + Horizontal + Horizontal
68in + 36in + 18in + 84in
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

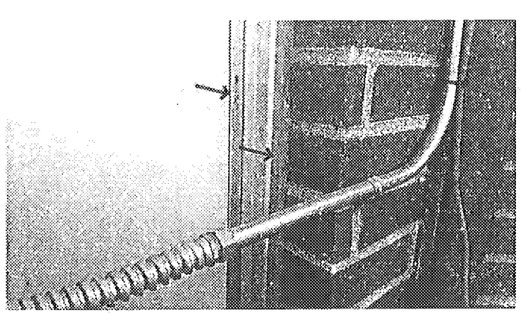
1. ALL ABATEMENT RELATED ACTIVITIES AT THIS PROJECT SITE SHALL COMPLY WITH DIVISION 01 AND 02 AND SPECIFICALLY SECTION 028400 PCB ACTIVITIES. CONTRACTOR TO VERIFY ALL ITEMS SHOWN, LOCATIONS AND QUANTITIES OF MATERIALS TO BE REMOVED, AND DIMENSIONS PRIOR TO REMOVAL. ANY DEVIATIONS FROM THE SPECIFICATION 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.
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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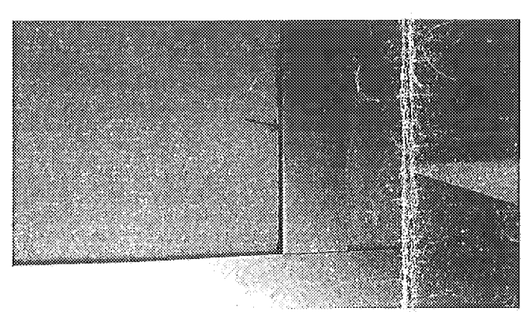

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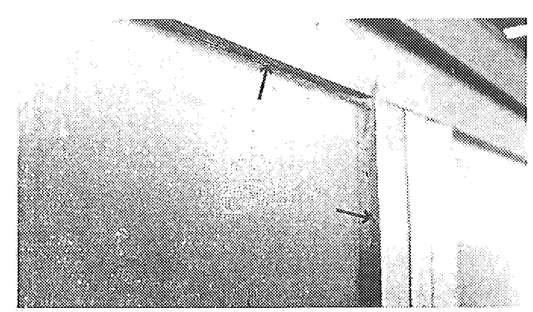

②PHOTO DETAIL

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www.pbsenv.com


MONROE SCHOOL DISTRICT

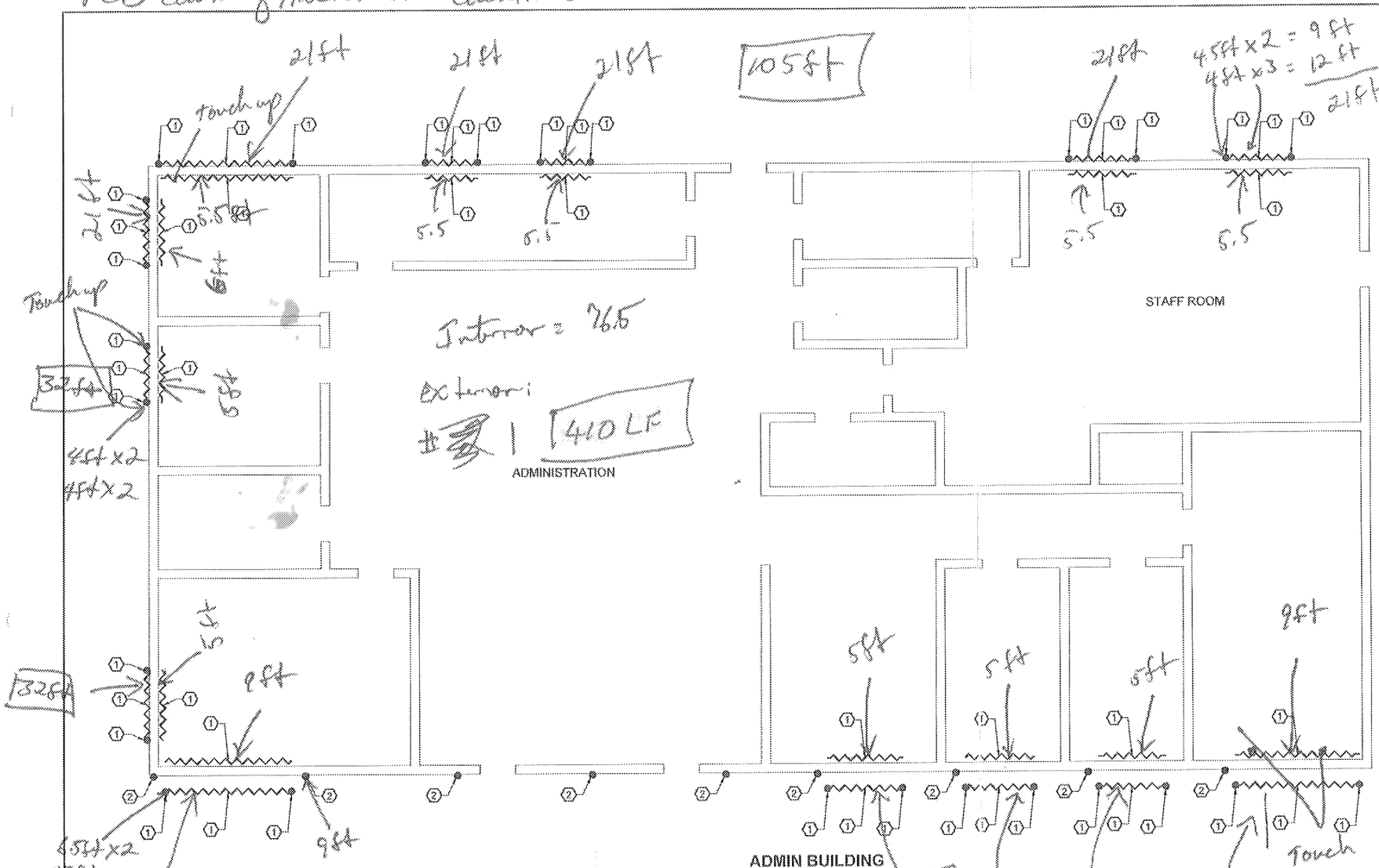
POD/LIBRBAY BUILDING
CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY
EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

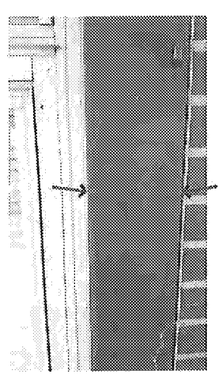
| | |
|---|---|
| PROJECT: | 41373.000 |
| DRAWN: | JHD |
| CHECKED: | GM |
| DATE: | JUNE 2016 |
| DWG NO. | HM2 |
| SHEET NO. | 2 OF 5 |

PCB Caulking Abatement - Quantities




#2 9ft x 11 = 99
10ft x 7 = 70
5ft = 175
125ft

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. 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. 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

* Need to caulk jagged edges
* Need to extend 2" pass corners

NOT TO SCALE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MONROE SCHOOL DISTRICT

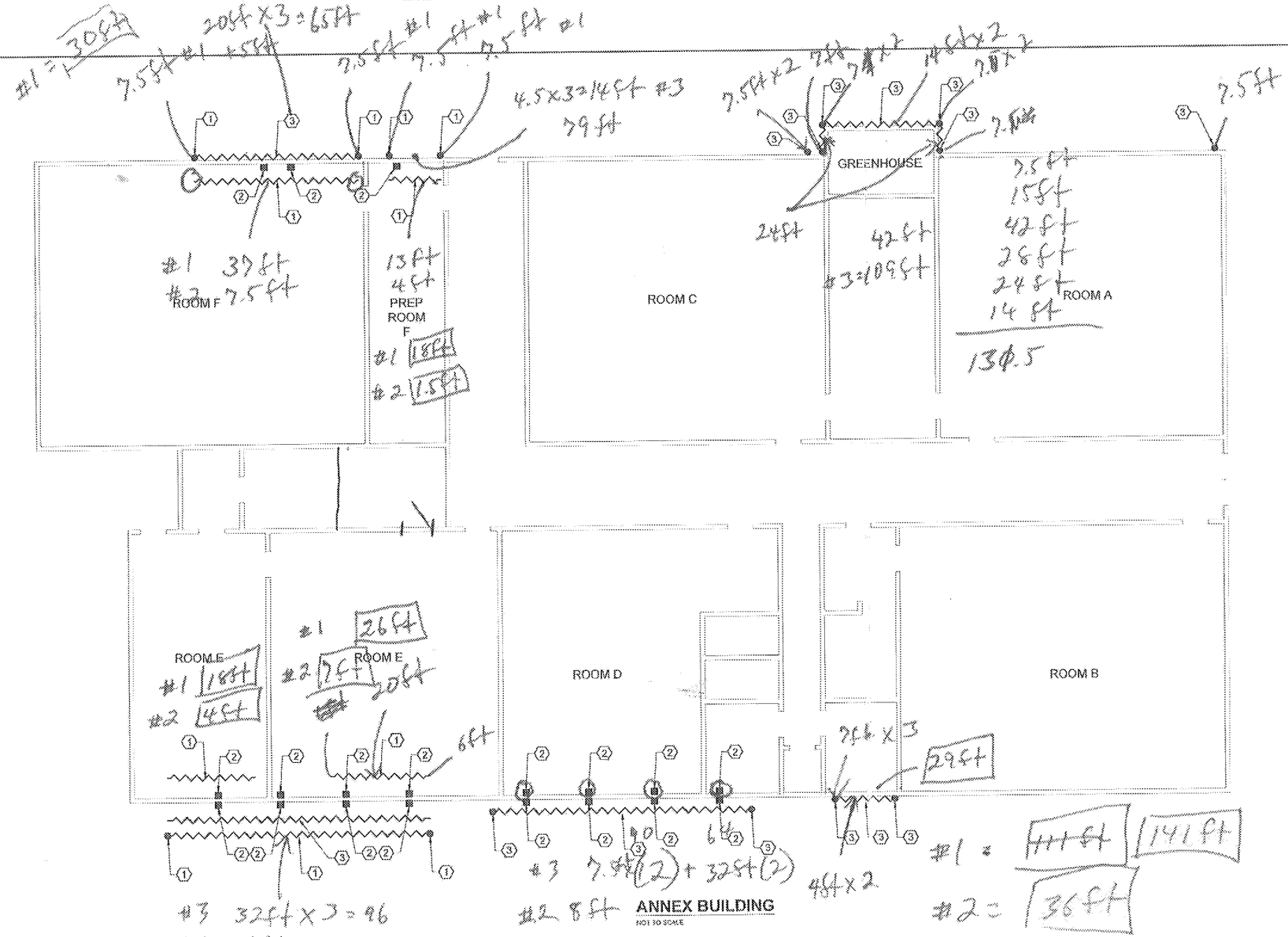
ADMIN BUILDING
CAULKING ABATEMENT PLAN

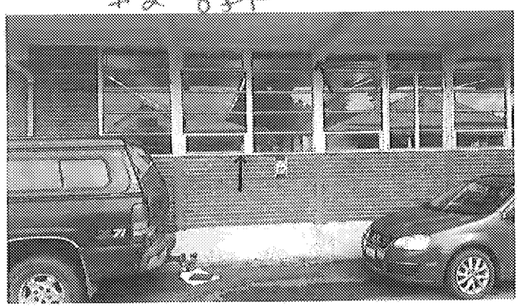
SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY
EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

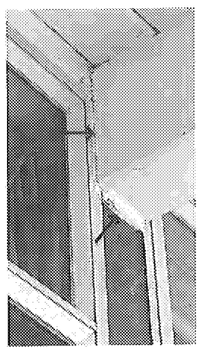
| | |
|---|---|
| PROJECT: | 41373.009 |
| DRAWN: | JHD |
| CHECKED: | GM |
| DATE: | JUNE 2018 |
| DWG NO. | HM3 |
| SHEET NO. | 3 OF 5 |

PCB Caulking Abatement - Quantities



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.
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. 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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2517 Eastlake Ave East
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www.pbsenv.com


MONROE SCHOOL DISTRICT

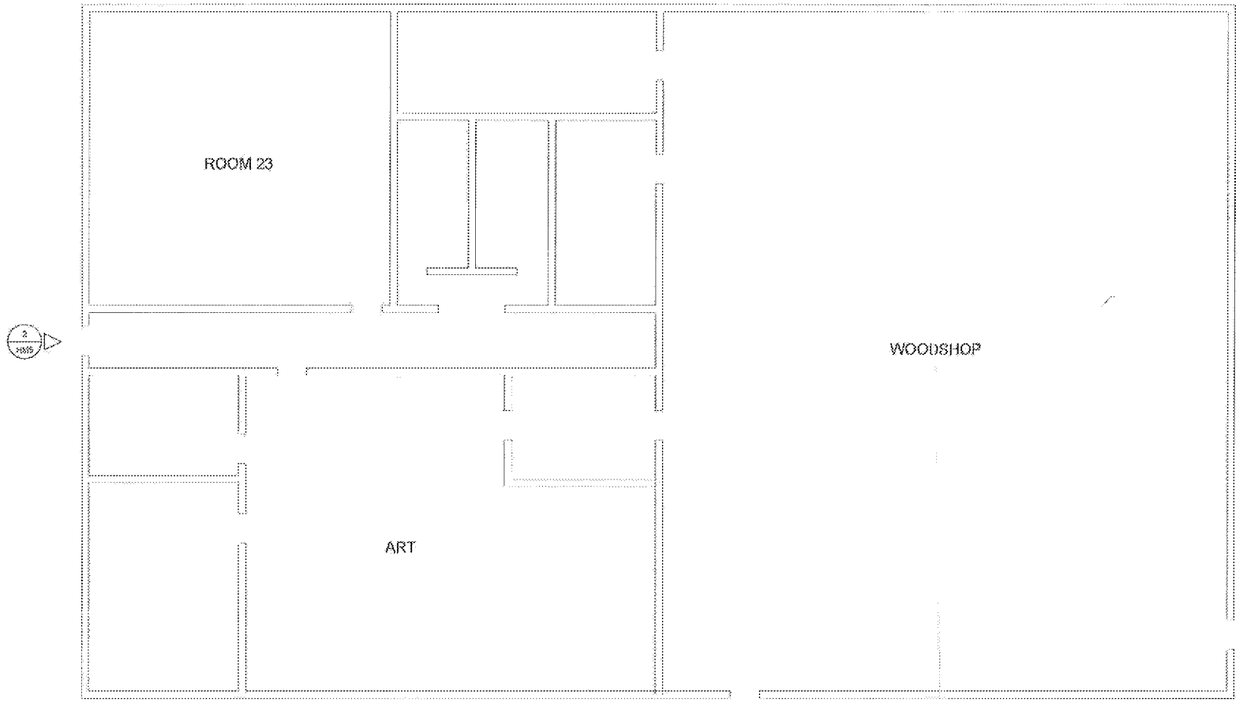
# ANNEX BUILDING CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

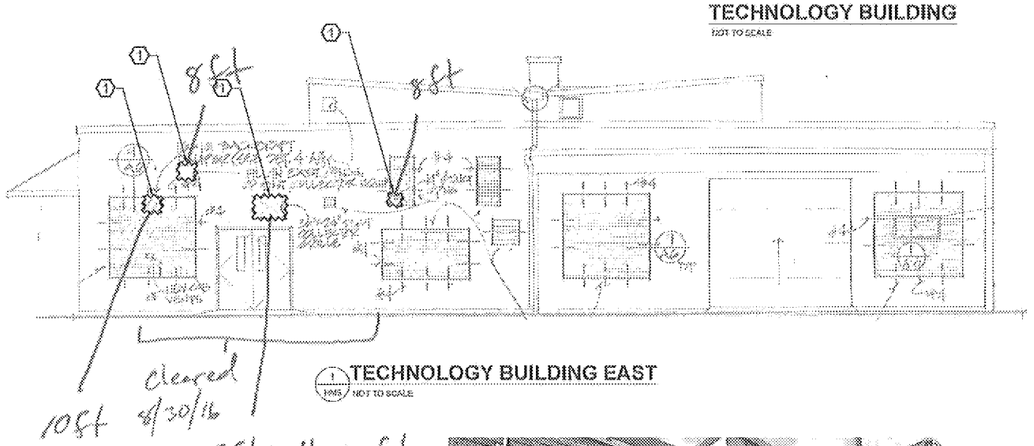
| | |
|---|---|
| PROJECT: | 41373.000 |
| DRAWN: | JHO |
| CHECKED: | GM |
| DATE: | JUNE 2016 |
| DWG NO: HM4 | SHEET NO: 4 OF 5 |

PCB Caulking Abatement - Quantities

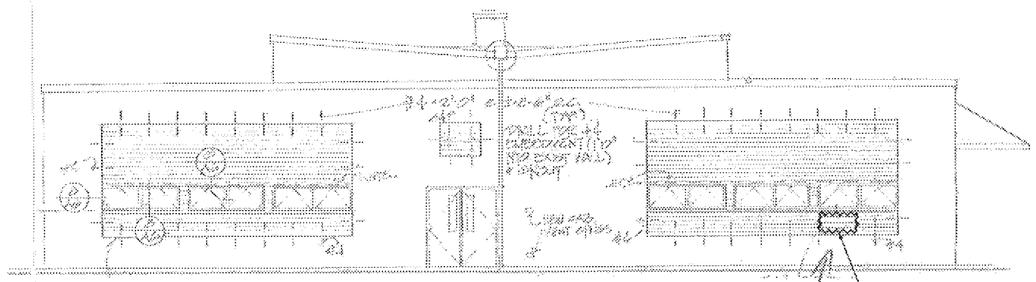



## TECHNOLOGY BUILDING

NOT TO SCALE

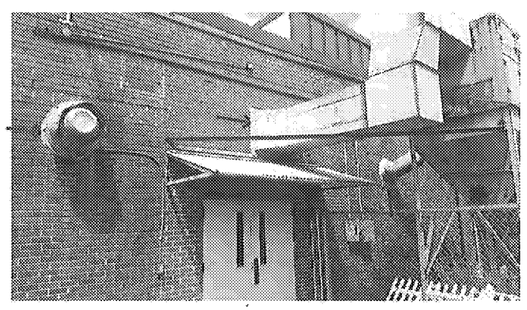



1 HM5 TECHNOLOGY BUILDING EAST
NOT TO SCALE




2 HM5 TECHNOLOGY BUILDING WEST
NOT TO SCALE

~~55~~ 50 LF
Total



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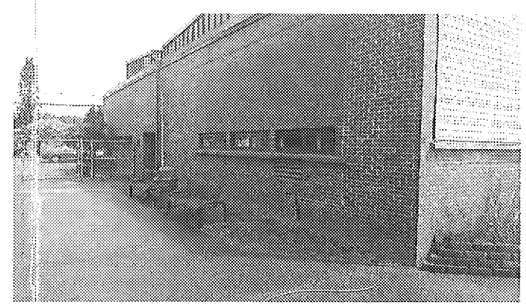

1 PHOTO DETAIL

### 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.
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.

NOT TO SCALE


PBS
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2517 Eastlake Ave East
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Seattle, WA 98102
206.233.9639
www.pbsenv.com


MONROE SCHOOL DISTRICT

TECHNOLOGY BUILDING
CAULKING ABATEMENT PLAN

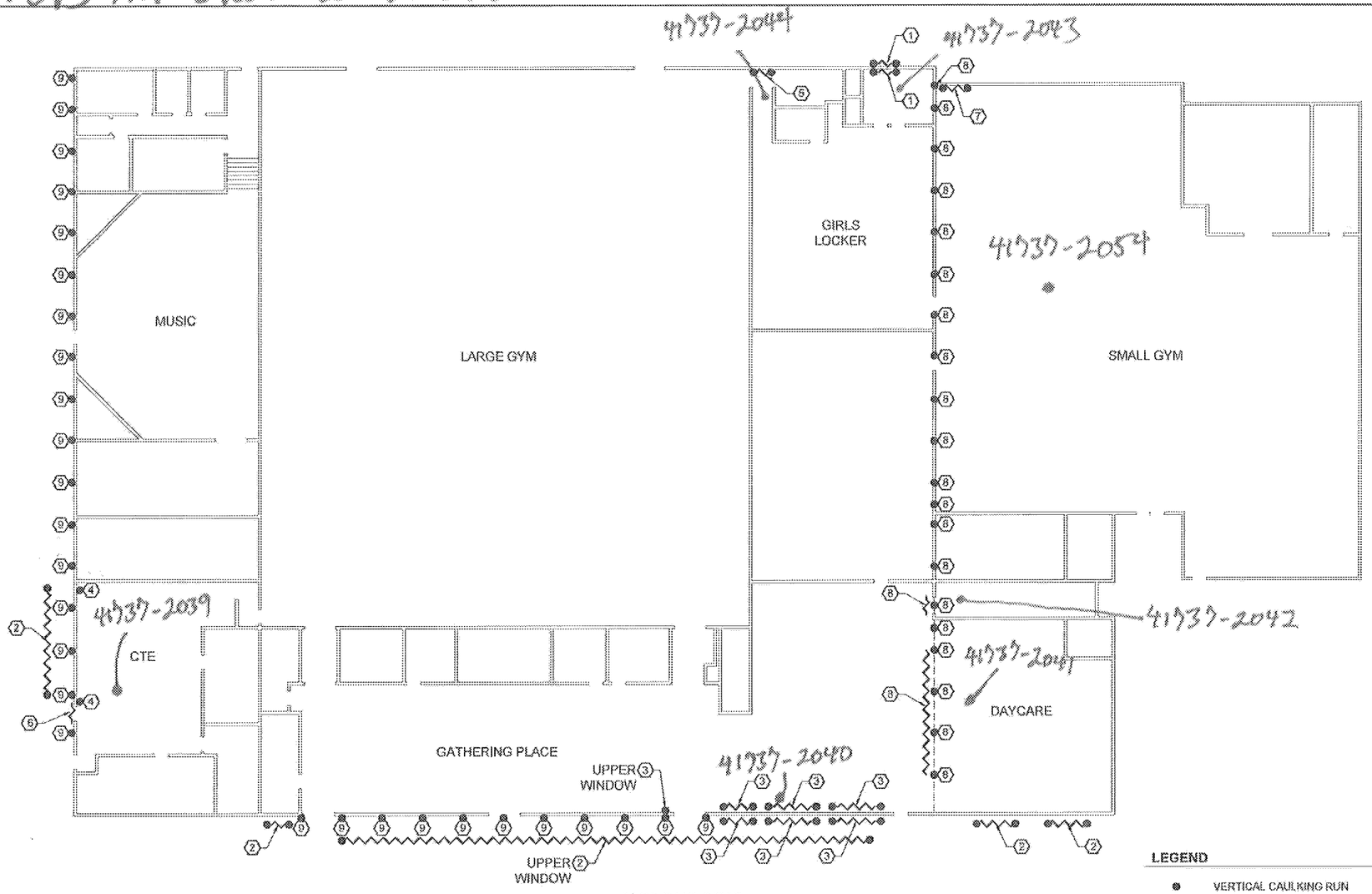
SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

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

***TAB 4***
***PCB Air Sample Lab Reports***
***Sample Location Field Drawings***

PCB Air Clearances Locations




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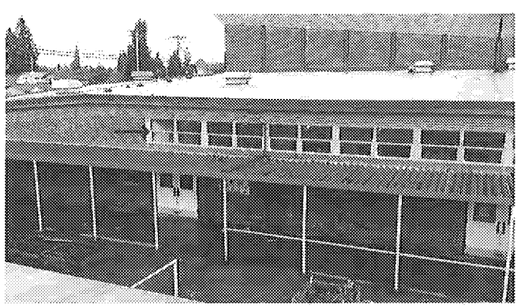
4. THE CONTRACTOR SHALL REMOVE ALL ACCESSIBLE CAULKING IN ALL AREAS WITHOUT PERFORMING DEMOLITION OF BUILDING COMPONENTS.

## KEY NOTES

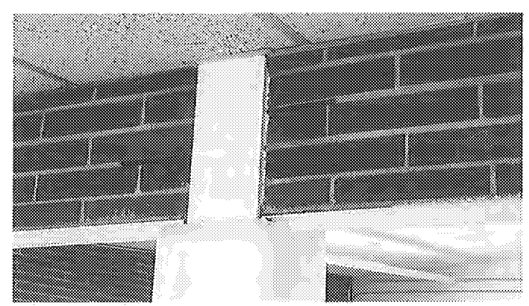
1. REMOVE APPROX. 20 LF OF PCB-CONTAINING CAULKING LOCATED ON THE EXTERIOR AND INTERIOR METAL WINDOW FRAME ON THE GIRLS LOCKER ROOM NORTH PERIMETER WINDOW AS SHOWN.
2. REMOVE APPROX. 300 LF OF PCB-CONTAINING CAULKING ON THE EXTERIOR METAL WINDOW FRAMES ON ALL WINDOWS AT THE SOUTH AND WEST ELEVATIONS 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. 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. 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.

## LEGEND

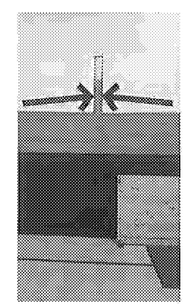
- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUNS



②⑨PHOTO DETAIL



⑧PHOTO DETAIL



⑧PHOTO DETAIL

NOT TO SCALE

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

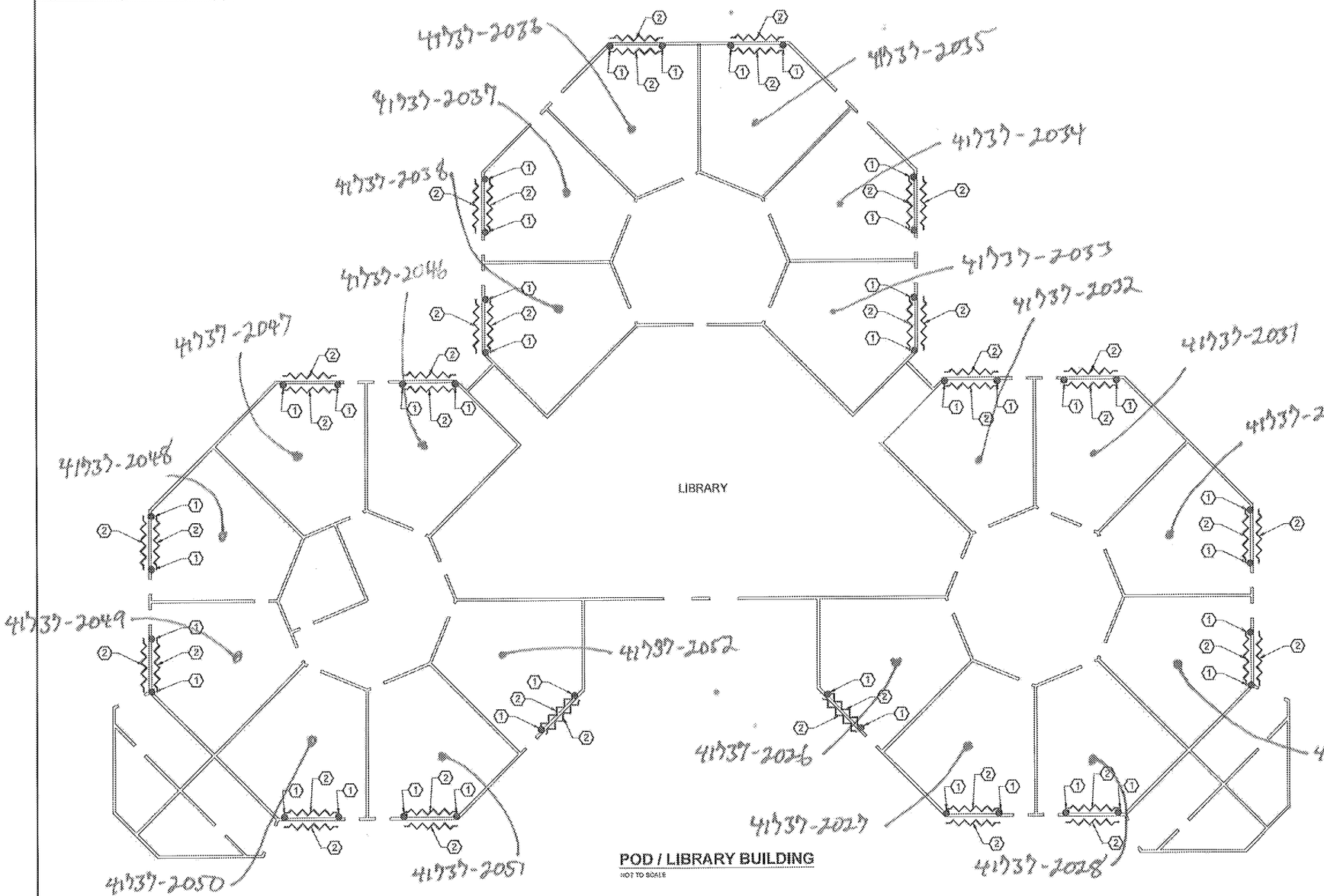
MONROE SCHOOL DISTRICT

GYM BUILDING
CAULKING ABATEMENT PLAN
SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

| | |
|---|---|
| PROJECT: | 41373.050 |
| DRAWN: | JHD |
| CHECKED: | GM |
| DATE: | JUNE 2016 |
| DWG NO. | HM1 |
| SHEET NO. | 1 OF 5 |

PCB Air Clearance 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 028409 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.

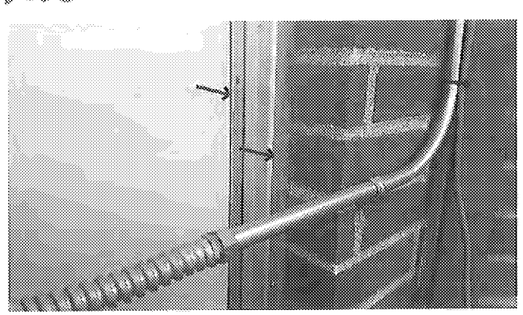
## KEY NOTES

(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.

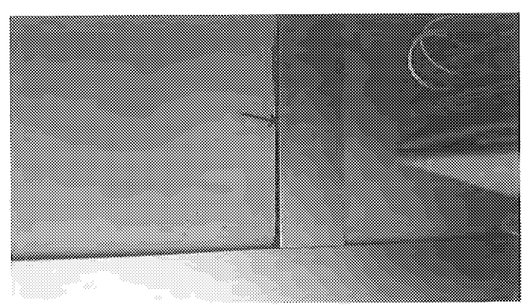
(2) REMOVE APPROX. 1,400 LF OF PCB-CONTAINING CAULKING ON THE INTERIOR AND EXTERIOR SIDES OF THE CEMENT ASBESTOS BOARD (CAB) WINDOW INFILL PANELS. THE CAULKING FILLS THE GAP BETWEEN THE METAL WINDOW FRAME AND CAB TRANSITION IN EACH OF CLASSROOMS 1-20 AS SHOWN.

## LEGEND

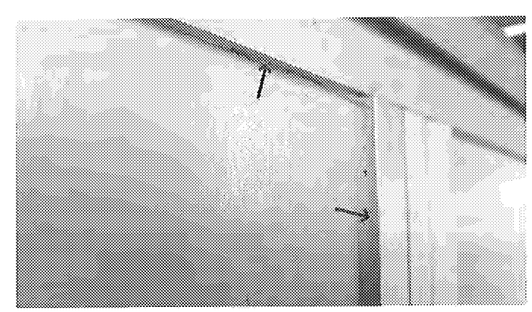
- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUN



(1) PHOTO DETAIL



(2) PHOTO DETAIL



(2) 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

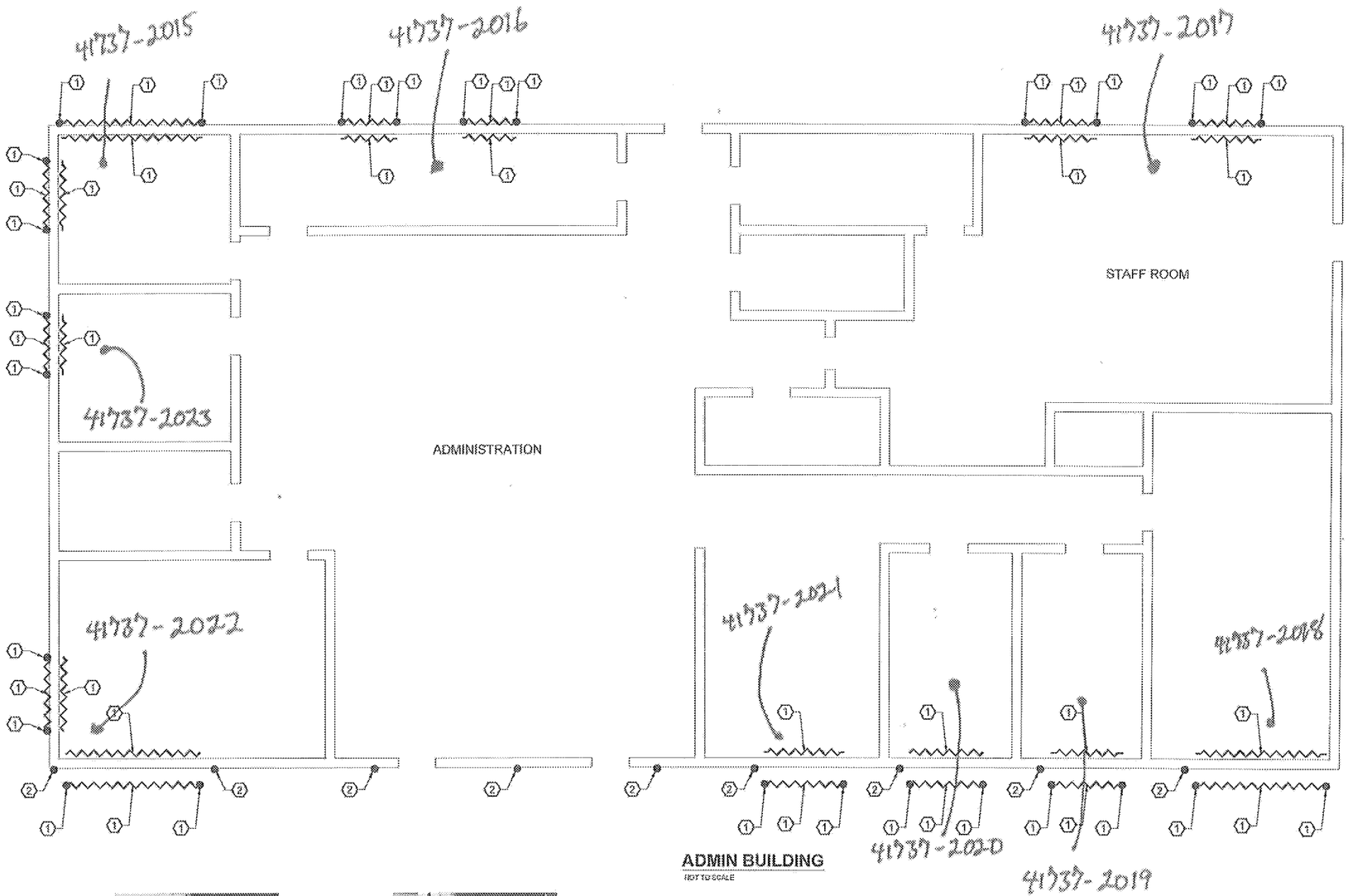
POD/LIBRBAY BUILDING
CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY
EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

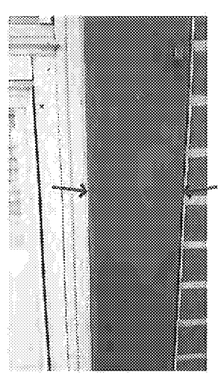
| | |
|---|---|
| PROJECT: | 41373.000 |
| DRAWN: | JHD |
| CHECKED: | GM |
| DATE: | JUNE 2016 |
| DWG NO. HM2 | SHEET NO. 2 OF 5 |

PCB Air Clearance 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.
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. 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

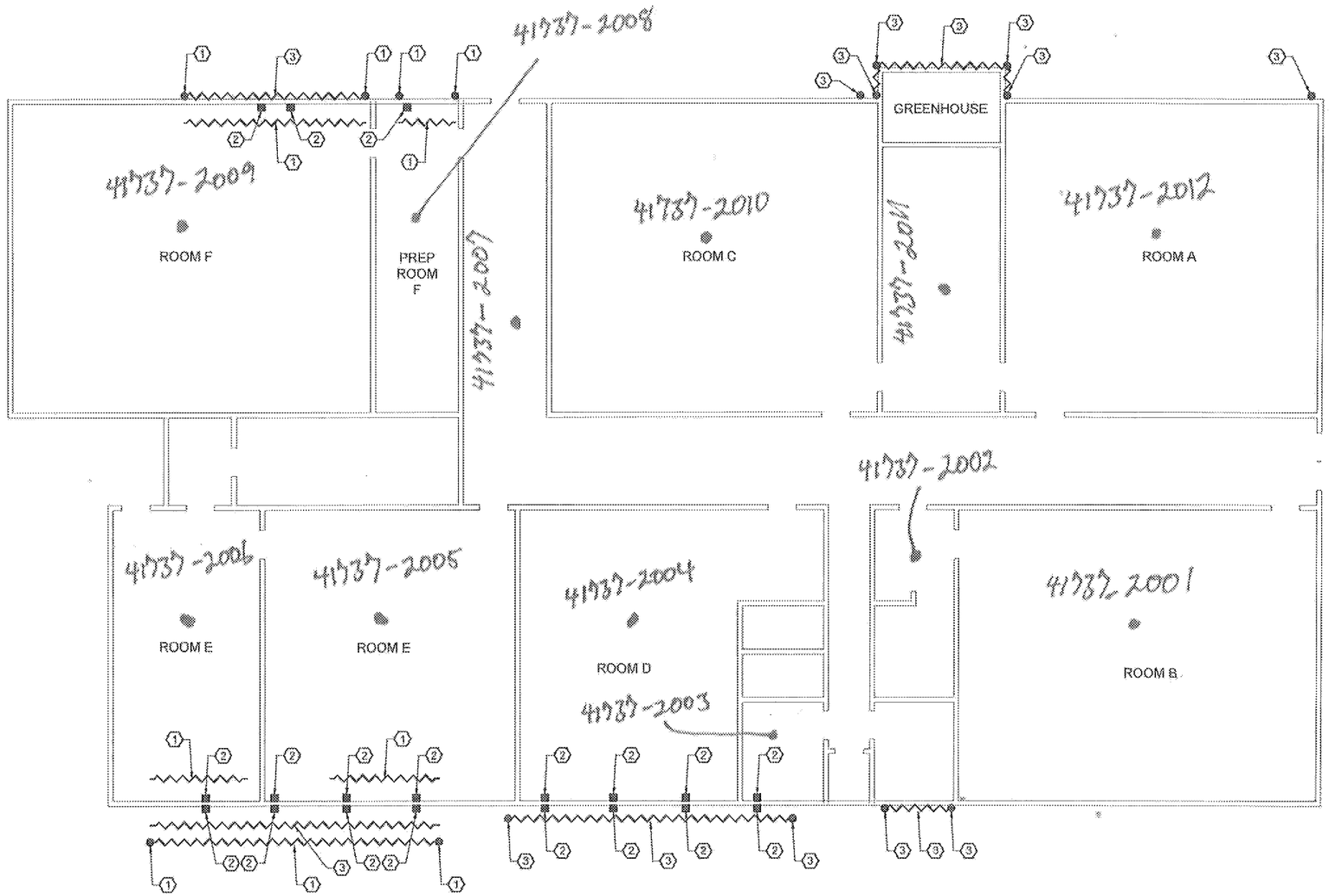
# ADMIN BUILDING CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

SKY VALLEY EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

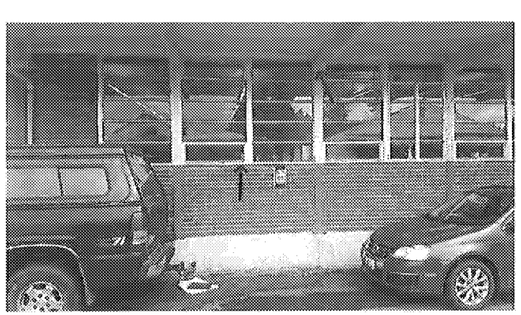
| | |
|---|---|
| PROJECT: | 41373.000 |
| DRAWN: | JHD |
| CHECKED: | GM |
| DATE: | JUNE 2016 |
| DWG NO. HM3 | SHEET NO. 3 OF 5 |

PCB Air Clearance Locations

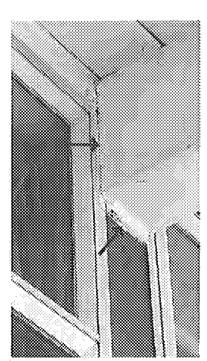



## ANNEX BUILDING

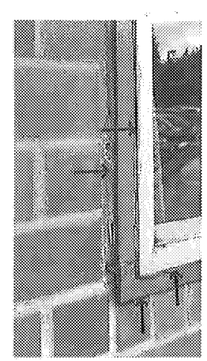
NOT TO SCALE



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.
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. 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: | 41373.000 |
| DRAWN: | JHD |
| CHECKED: | CM |
| DATE: | JUNE 2016 |
| DWG NO. | HM4 |
| SHEET NO. | 4 OF 5 |

**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 14:38
Project No. 41373.000

| Lab Use Only | Client Sample Number | Media Type | Sample Volume (Liters) | ANALYSES REQUESTED - Use Method Number if Known | |
|---|---|---|---|---|---|
| | 41373-2001 | Puf | 2095 | SEE Data Sheet | EPA TO-10A |
| | 2002 | | 2095 | | PCB |
| | 2003 | | 2095 | | |
| | 2004 | | 2095 | | |
| | 2005 | | 2085 | | |
| | 2006 | | 2090 | | |
| | 2007 | | 2080 | | |
| | 2008 | | 2080 | | |
| | 2009 | | 2080 | | |
| | 2010 | | 2080 | | |
| | 2011 | | 2075 | | |
| | 2012 | | 2075 | | |
| | 2013 | | — | BLANK | |
| | 2014 | | — | BLANK | |
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**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 | | | | | | DELIVERY METHOD: | CLIENT | DROP BOX | FEDEX | UPS |
|---|---|---|---|---|---|---|---|---|---|---|
| COOLER TEMP: | °C | pH ADJUSTMENTS: | | | | STD MAIL | PRTY MAIL | ALS | COURIER | OTHER: |
| | | | | | | 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 206-782-4780

| | | | |
|---|---|---|---|
| Project Name: Sky Valley Ed Ctr. | IH: Cel Alvarez | WEATHER: Partly Cloudy | Conditions: Post Abatement Clearance |
| PBS Project No.: 41373.000 | SAMPLE MEDIA/ANALYTICAL METHOD: Pat Tubes/PCB Air EPA TO-10A | TEMP: 57-66 F | |
| Location: Monroe, WA | | R.H. 77% | |
| | | FIELD COUNT 100 | |
| RELINQUISHED BY (SIGN.): [signature] DATE/TIME: 8/22/16 1430 | ANALYZED BY: ALS | DATE/TIME: | REMARKS: |
| RECEIVED BY (SIGN.): DATE/TIME: | ANALYZED BY: | DATE/TIME: | 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 | -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 | 9808 | 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 | 8715 | 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 | | | | | | | | | | | |

# 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.: 41373.000
Location: Monroe, WA

IH: Carl Alvarez
SAMPLE MEDIA/ANALYTICAL METHOD: Pert Tubes/ PCB Air

WEATHER: Partly Cloudy
TEMP: 67-68 F
R.H. 47%
FIELD COUNT 100

Conditions: Post Abatement Clearance

RELINQUISHED BY (SIGN.): [signature] DATE/TIME: 8/22/10 1430
RECEIVED BY (SIGN.): DATE/TIME:
ANALYZED BY:
ANALYZED BY:
DATE/TIME:
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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/22/10 | -2013 | C | | Blank | | | | | | | | | | |
| ↓ | -2014 | C | | Blank | | | | | | | | | | |
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| Recount Sample # | | Recount | | | | | | | | | | | | |
| Recount Sample # | | Recount | | | | | | | | | | | | |
| Reference Slide # | | Count | | | | | | | | | | | | |

ED_004522_00093312-00104

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 – 2015 | Puf | 2105 | SEE DATASHEET - EPA TO-10A PCB |
| | 2016 | | 2100 | |
| | 2017 | | 2090 | |
| | 2018 | | 2095 | |
| | 2019 | | 2090 | |
| | 2020 | | 2085 | |
| | 2021 | | 2100 | |
| | 2022 | | 2095 | |
| | 2023 | | 2100 | |
| | 2024 | | — | Blank |
| | 2025 | | — | Blank |
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**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 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 4100
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: Monroe School Dist

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

WEATHER: Clear
TEMP: 54-80
R.H. 91%
FIELD COUNT 100

Conditions: Min. Contaminant

RELINQUISHED BY (SIGN.): [signature] DATE/TIME: 8/24/16 1400
RECEIVED BY (SIGN.): DATE/TIME:
ANALYZED BY: ALS
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 (L) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/24/16 | .2015 | C | 007 | Karen Rosenerons 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 | 6558 | Staff Room | | 6:18 | 1320 | 418 | 5 | 5 | 5 | 2090 | | |
| | .2018 | C | 8124 | Nurse Room | | 6:23 | 1322 | 419 | 5 | 5 | 5 | 2095 | | |
| | .2019 | C | 9508 | Counselor Room | | 6:25 | 1323 | 418 | 5 | 5 | 5 | 2090 | | |
| | .2020 | C | 1699 | Gary Morka Room | | 6:27 | 1324 | 417 | 5 | 5 | 5 | 2085 | | |
| | 2021 | C | MH 275 | Main Area | | 6:24 | 1328 | 420 | 5 | 5 | 5 | 2100 | | |
| | .2022 | C | 8715 | Colin Eggers Rm | | 6:30 | 1329 | 419 | 5 | 5 | 5 | 2095 | | |
| | .2023 | C | 13 | Sarah Perry's Rm | | 6:31 | 1331 | 420 | 5 | 5 | 5 | 2100 | | |
| | .2024 | C | — | Blank | | — | — | — | — | — | — | — | | |
| | .2025 | C | — | Blank | | — | — | — | — | — | — | — | | |
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| Recount Sample # | | | Recount | | | | | | | | | | | |

ED_004522_00093312-00106

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 206-348-9374

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 | | | | |
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| | 2035 | | | | |
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| | 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 2517 East Lake Ave E #100
Seattle WA 98102
City State Zip
Send Report To Gregg Middaugh
Email Address gregg.middaugh@pbsenv.com
Telephone (206) 255-4659 2
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 |
|---|---|---|---|---|
| | 41373-2042 | Puf | See Data | See data sheet - EPA TO-10A PCB |
| | 2043 | | sheet | |
| | 2044 | | | |
| | 2045 | | | |
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**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: |

# 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:
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 | | 6558 | 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 | | 9506 | 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 | | | | | | | | | | | |

# 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:
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 | -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 | | | | | | | | | | |
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| Recount Sample # | | | Recount | | | | | | | | | | | |

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
Company Name PBS Eng & Env
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
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) Same

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 |
|---|---|---|---|---|
| | 41373-2046 | Air | See Data | See Data Sheet - EPA TO-10A PCB |
| | 2047 | | Sheet | |
| | 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 |
|---|---|---|---|
| [signature] | 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 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.
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.): [signature] DATE/TIME: 8/30/16 1400
ANALYZED BY:
DATE/TIME:
REMARKS:

RECEIVED BY (SIGN.):
DATE/TIME:
ANALYZED BY:
DATE/TIME:
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 | | | | | | | | | | |
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| Recount Sample # | | | Recount | | | | | | | | | | | |

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)
Same

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 |
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**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] | 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~~ 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; 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/1/16 | -2054 | C | | Small Gym | | 6:41 | 1331 | 410 | 5 | 5 | 5 | 2050 | | |
| 9/1/16 | -2055 | B | | Blank | | — | — | — | — | — | — | — | | |
| 9/1/16 | -2056 | B | | Blank | | — | — | — | — | — | — | — | | |
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| Recount Sample # | | | Recount | | | | | | | | | | | |
| Reference Slide # | | | Count | | | | | | | | | | | |

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_00093312-00116

**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_00093312-00117

# 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 | |

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: Stephanie Harrington (eSignature) 23-Aug-16 (Date) Reviewed by: Shawn Smyth (eSignature) 23-Aug-16 (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_00093312-00136

**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_00093312-00137

# 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:**

# 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:**

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 (eSignature) 25-Aug-16 (Date) Reviewed by: Shawn Smyth (eSignature) 25-Aug-16 (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

ADDRESS 4388 Glendale Milford Rd Cincinnati, Ohio 45242-| PHONE (513) 733-5336 | FAX (513) 733-5347
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# 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_00093312-00153

**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_00093312-00154

# 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:**

# ALS Environmental

**Date:** *12-Sep-16*

**Client:** PBS
**Project:** SVEC; 41373.000

**Work Order:** 16081051

## Analytical Results

**Lab ID:** 16081051-03A
**Client Sample ID:** 41373-2028

**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 |

**Lab ID:** 16081051-04A
**Client Sample ID:** 41373-2029

**Collection Date:** 8/29/2016 2:00:00 PM
**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:**

# ALS Environmental

**Date:** *12-Sep-16*

**Client:** PBS
**Project:** SVEC; 41373.000

**Work Order:** 16081051

## Analytical Results

**Lab ID:** 16081051-05A
**Client Sample ID:** 41373-2030

**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 |

**Lab ID:** 16081051-06A
**Client Sample ID:** 41373-2031

**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 |

**Note:**

# ALS Environmental

**Date:** *12-Sep-16*

**Client:** PBS
**Project:** SVEC; 41373.000

**Work Order:** 16081051

## Analytical Results

**Lab ID:** 16081051-07A
**Client Sample ID:** 41373-2032

**Collection Date:** 8/29/2016 2:00:00 PM
**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
**Client Sample ID:** 41373-2033

**Collection Date:** 8/29/2016 2:00:00 PM
**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:**

# ALS Environmental

**Date:** *12-Sep-16*

**Client:** PBS
**Project:** SVEC; 41373.000

**Work Order:** 16081051

## Analytical Results

**Lab ID:** 16081051-09A
**Client Sample ID:** 41373-2034

**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 |

**Lab ID:** 16081051-10A
**Client Sample ID:** 41373-2035

**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:**

# ALS Environmental

**Date:** *12-Sep-16*

**Client:** PBS
**Project:** SVEC; 41373.000

**Work Order:** 16081051

## Analytical Results

**Lab ID:** 16081051-11A
**Client Sample ID:** 41373-2036

**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 |

**Lab ID:** 16081051-12A
**Client Sample ID:** 41373-2037

**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 |

**Note:**

# ALS Environmental

**Date:** *12-Sep-16*

**Client:** PBS
**Project:** SVEC; 41373.000

**Work Order:** 16081051

## Analytical Results

**Lab ID:** 16081051-13A
**Client Sample ID:** 41373-2038

**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:** 16081051-14A
**Client Sample ID:** 41373-2039

**Collection Date:** 8/29/2016 2:00:00 PM
**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:**

# ALS Environmental

**Date:** *12-Sep-16*

**Client:** PBS
**Project:** SVEC; 41373.000

**Work Order:** 16081051

## Analytical Results

**Lab ID:** 16081051-15A
**Client Sample ID:** 41373-2040

**Collection Date:** 8/29/2016 2:00:00 PM
**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
**Client Sample ID:** 41373-2041

**Collection Date:** 8/29/2016 2:00:00 PM
**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:**

# ALS Environmental

**Date:** *12-Sep-16*

**Client:** PBS
**Project:** SVEC; 41373.000

**Work Order:** 16081051

## Analytical Results

**Lab ID:** 16081051-17A
**Client Sample ID:** 41373-2042

**Collection Date:** 8/29/2016 2:00:00 PM
**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
**Client Sample ID:** 41373-2043

**Collection Date:** 8/29/2016 2:00:00 PM
**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:**

# ALS Environmental

**Date:** *12-Sep-16*

**Client:** PBS
**Project:** SVEC; 41373.000

**Work Order:** 16081051

## Analytical Results

**Lab ID:** 16081051-19A
**Client Sample ID:** 41373-2044

**Collection Date:** 8/29/2016 2:00:00 PM
**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
**Client Sample ID:** 41373-2045

**Collection Date:** 8/29/2016 2:00:00 PM
**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:**

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.

# ALS Environmental

Date: 12-Sep-16

**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_00093312-00166

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 dbN ieman 30-Aug-16 (eSignature / Date) Reviewed by: S hawn S myth 31-Aug-16 (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_00093312-00169

**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_00093312-00170

# 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

| | 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:** 16081106-02A
**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

| | 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:**

# ALS Environmental

**Date:** *02-Sep-16*

**Client:** PBS
**Project:** SVEC; 41373.000

**Work Order:** 16081106

## Analytical Results

**Lab ID:** 16081106-03A
**Client Sample ID:** 41373-2048

**Collection Date:** 8/30/2016
**Matrix:** AIR

**Analyses**

**PCBS BY EPA TO-10** Method: **ETO10A** Air Volume (L): **2005** 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:** 16081106-04A
**Client Sample ID:** 41373-2049

**Collection Date:** 8/30/2016
**Matrix:** AIR

**Analyses**

**PCBS BY EPA TO-10** Method: **ETO10A** Air Volume (L): **2010** 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:**

# ALS Environmental

**Date:** *02-Sep-16*

**Client:** PBS
**Project:** SVEC; 41373.000

**Work Order:** 16081106

## Analytical Results

**Lab ID:** 16081106-05A
**Client Sample ID:** 41373-2050

**Collection Date:** 8/30/2016
**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
**Client Sample ID:** 41373-2051

**Collection Date:** 8/30/2016
**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:**

# ALS Environmental

**Date:** *02-Sep-16*

**Client:** PBS
**Project:** SVEC; 41373.000

**Work Order:** 16081106

## Analytical Results

**Lab ID:** 16081106-07A
**Client Sample ID:** 41373-2052

**Collection Date:** 8/30/2016
**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:** 16081106-08A
**Client Sample ID:** 41373-2053

**Collection Date:** 8/30/2016
**Matrix:** AIR

**Analyses**

**PCBS BY EPA TO-10** Method: **ETO10A** Air Volume (L): **0** Analyst: **JEA**
Date Analyzed: 9/1/2016

| | 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: 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.

# ALS Environmental

Date: 02-Sep-16

**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_00093312-00176

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: Stephanie Harrington (eSignature) 31-Aug-16 (Date) Reviewed by: Shawn Smyth (eSignature) 31-Aug-16 (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:

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_00093312-00179

**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_00093312-00180

# 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 | |

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: Stephanie Harrington 06-Sep-16 (eSignature / Date)

Reviewed by: Shawn Smyth 06-Sep-16 (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<br>Top of wood shelf | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -002 PCB-W | Room 5<br>Top of light fixture | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -003 PCB-W | South Pod<br>Top of file cabinet | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -004 PCB-W | Admin<br>Top of wood shelf | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -005 PCB-W | Annex Mont. Sci. Prep<br>Top of refrigerator | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |

**Table 10 – Results for PCB Wipe Sampling**

| Sample ID | Location | Analyte | Result (ug/100 cm2) |
|---|---|---|---|
| -006 PCB-W | Music<br>Table leg | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -007 PCB-W | Room 1<br>Top of wood cabinet | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -008 PCB-W | Room 2<br>Wall | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -009 PCB-W | Room 3<br>Window sill | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -010 PCB-W | Room 4<br>Top of light fixture | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |

**Table 10 – Results for PCB Wipe Sampling**

| Sample ID | Location | Analyte | Result (ug/100 cm2) |
|---|---|---|---|
| -011 PCB-W | Room 7<br>GWB wall | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -012 PCB-W | Room 6<br>Top of wood cabinet | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -013 PCB-W | Room 13<br>Concrete floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -014 PCB-W | Room 12<br>Top of light fixture | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -015 PCB-W | Room 10<br>Top of wood cabinet | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |

**Table 10 – Results for PCB Wipe Sampling**

| Sample ID | Location | Analyte | Result (ug/100 cm2) |
|---|---|---|---|
| -016 PCB-W | Room 9<br>Top of light fixture | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -017 PCB-W | Room 8<br>GWB wall | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -018 PCB-W | East Pod<br>Window sill | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -019 PCB-W | Art<br>Wood shelf | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -020 PCB-W | Room 23<br>Brick wall | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |

**Table 10 – Results for PCB Wipe Sampling**

| Sample ID | Location | Analyte | Result (ug/100 cm2) |
|---|---|---|---|
| -021 PCB-W | Woodshop<br>Countertop | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -022 PCB-W | Art Room Kiln<br>Vinyl floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -023 PCB-W | Room 22<br>Vinyl floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -024-PCB-W | Small Gym East<br>Vinyl floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -025-PCB-W | Small Gym West<br>Vinyl floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |

**Table 10 – Results for PCB Wipe Sampling**

| Sample ID | Location | Analyte | Result (ug/100 cm2) |
|---|---|---|---|
| -026-PCB-W | Boy's Locker<br>Wood bench | Aroclor 1016 | ND |
| | | Aroclor 1221 | ND |
| | | Aroclor 1232 | ND |
| | | Aroclor 1242 | ND |
| | | Aroclor 1248 | ND |
| | | Aroclor 1254 | ND |
| | | Aroclor 1260 | ND |
| | | **Total PCB's** | **ND** |
| -027-PCB-W | Girl's Locker<br>Wood bench | Aroclor 1016 | ND |
| | | Aroclor 1221 | ND |
| | | Aroclor 1232 | ND |
| | | Aroclor 1242 | ND |
| | | Aroclor 1248 | ND |
| | | Aroclor 1254 | ND |
| | | Aroclor 1260 | ND |
| | | **Total PCB's** | **ND** |
| -028-PCB-W | Large Gym<br>Top of wood bleacher | Aroclor 1016 | ND |
| | | Aroclor 1221 | ND |
| | | Aroclor 1232 | ND |
| | | Aroclor 1242 | ND |
| | | Aroclor 1248 | ND |
| | | Aroclor 1254 | 3.40 |
| | | Aroclor 1260 | ND |
| | | **Total PCB's** | **3.40** |
| -029-PCB-W | Weight Room<br>Concrete wall | Aroclor 1016 | ND |
| | | Aroclor 1221 | ND |
| | | Aroclor 1232 | ND |
| | | Aroclor 1242 | ND |
| | | Aroclor 1248 | ND |
| | | Aroclor 1254 | ND |
| | | Aroclor 1260 | ND |
| | | **Total PCB's** | **ND** |
| -030-PCB-W | Gathering Place<br>Vinyl floor | Aroclor 1016 | ND |
| | | Aroclor 1221 | ND |
| | | Aroclor 1232 | ND |
| | | Aroclor 1242 | ND |
| | | Aroclor 1248 | ND |
| | | Aroclor 1254 | ND |
| | | Aroclor 1260 | ND |
| | | **Total PCB's** | **ND** |

**Table 10 – Results for PCB Wipe Sampling**

| Sample ID | Location | Analyte | Result (ug/100 cm2) |
|---|---|---|---|
| -031-PCB-W | CTE (Home EC)<br>Top of counter | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -032-PCB-W | FACS/CTE East Office<br>GWB Wall | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -033-PCB-W | Music<br>Concrete wall | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -034-PCB-W | Music Office<br>Vinyl floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -035-PCB-W | Music Practice<br>GWB Wall | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |

**Table 10 – Results for PCB Wipe Sampling**

| Sample ID | Location | Analyte | Result (ug/100 cm2) |
|---|---|---|---|
| -036-PCB-W | Music Practice<br>GWB Wall | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -037-PCB-W | Music Spa Storage<br>GWB Wall | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -038-PCB-W | Annex Room F<br>Vinyl floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -039-PCB-W | Annex - 18-21 Transitions<br>Vinyl floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -040-PCB-W | Annex - 18-21 Transitions East<br>Top of desk | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |

**Table 10 – Results for PCB Wipe Sampling**

| Sample ID | Location | Analyte | Result (ug/100 cm2) |
|---|---|---|---|
| -041-PCB-W | Room F Prep<br>Chem counter | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -042-PCB-W | Annex Hall West<br>GWB Wall | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -043-PCB-W | Annex Hall East<br>Top of metal storage cabinet | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -044-PCB-W | Annex Room C<br>Vinyl floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -045-PCB-W | Annex Room A<br>Top of wood bookshelf | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |

**Table 10 – Results for PCB Wipe Sampling**

| Sample ID | Location | Analyte | Result (ug/100 cm2) |
|---|---|---|---|
| -046-PCB-W | Annex Room B<br>Top of metal storage cabinet | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -047-PCB-W | Annex Room D<br>Vinyl floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -048-PCB-W | Annex Girl's Restroom<br>Ceramic floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -049-PCB-W | Room 14<br>Top of wood cabinet | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -050-PCB-W | Room 15<br>Top of wood cabinet | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |

**Table 10 – Results for PCB Wipe Sampling**

| Sample ID | Location | Analyte | Result (ug/100 cm2) |
|---|---|---|---|
| -051-PCB-W | Room 20<br>Top of light fixture | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -052-PCB-W | Room 16A<br>Counter | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -053-PCB-W | Room 17<br>Top of light | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -054-PCB-W | North Pod Girl's Restroom<br>Concrete floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -055-PCB-W | North Pod<br>GWB Wall | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |

**Table 10 – Results for PCB Wipe Sampling**

| Sample ID | Location | Analyte | Result (ug/100 cm2) |
|---|---|---|---|
| -056-PCB-W | Room 19<br>Concrete floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -057-PCB-W | Room 18<br>Top of wood shelf | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -058-PCB-W | North Pod Boy's' Restroom<br>Concrete wall | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -059-PCB-W | South Pod Restroom Hall<br>Concrete floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -060-PCB-W | South Pod Girl's Restroom<br>Concrete floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |

**Table 10 – Results for PCB Wipe Sampling**

| Sample ID | Location | Analyte | Result (ug/100 cm2) |
|---|---|---|---|
| -061-PCB-W | South Pod Boy's Restroom<br>Concrete wall | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -062-PCB-W | Admin Supply<br>Top of counter | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -063-PCB-W | Admin Gary's Office<br>Top of book shelf | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -064-PCB-W | Admin Server<br>Top of laminated counter | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -065-PCB-W | Admin Staff<br>Vinyl floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |

**Table 10 – Results for PCB Wipe Sampling**

| Sample ID | Location | Analyte | Result (ug/100 cm2) |
|---|---|---|---|
| -066-PCB-W | Karen's Office<br>Window sill | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -067-PCB-W | CTE (Home EC) Restroom<br>Vinyl floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -068-PCB-W | Music Storage<br>Wood shelf | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -069-PCB-W | Gathering Place Office<br>Vinyl floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -070-PCB-W | Café<br>Concrete floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |

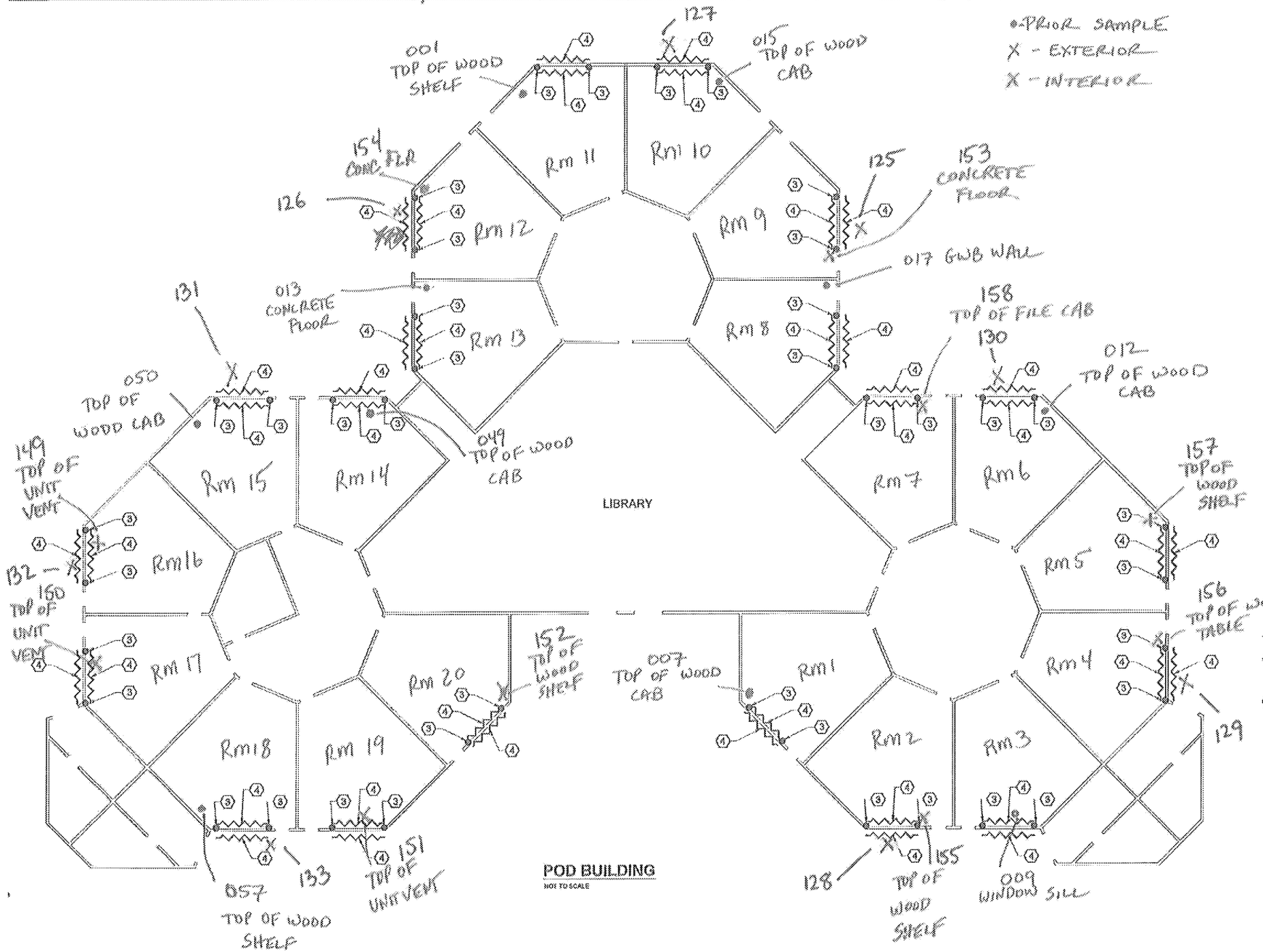
**Table 10 – Results for PCB Wipe Sampling**

| Sample ID | Location | Analyte | Result (ug/100 cm2) |
|---|---|---|---|
| -071-PCB-W | Gathering Place East<br>Vinyl floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -072-PCB-W | Tech Building Girl's Restroom<br>Concrete floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -073-PCB-W | Tech Hallway<br>Vinyl floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -074-PCB-W | Small Gym Storage<br>Concrete wall | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |
| -075-PCB-W | Tech Building Boy's Restroom<br>Concrete floor | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**ND** |

**Table 10 – Results for PCB Wipe Sampling**

| Sample ID | Location | Analyte | Result (ug/100 cm2) |
|---|---|---|---|
| -100-PCB-W | Room D<br>Contaminated vinyl floor tile | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | 516.00<br>ND<br>ND<br>ND<br>ND<br>ND<br>ND<br>**516.00** |
| -1001 | Room 11<br>Leaking Motor Oil<br>Unit Ventilator | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>0.68<br>ND<br>**0.68** |
| -1002 | Room 11<br>Debris in Return<br>Unit Ventilator | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>1.74<br>ND<br>**1.74** |
| -1003 | Room 11<br>Dust from Left Control Panel<br>Unit Ventilator | Aroclor 1016<br>Aroclor 1221<br>Aroclor 1232<br>Aroclor 1242<br>Aroclor 1248<br>Aroclor 1254<br>Aroclor 1260<br>**Total PCB's** | ND<br>ND<br>ND<br>ND<br>ND<br>6.48<br>ND<br>**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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| DRAWN: | JHD |
| CHECKED: | GM |
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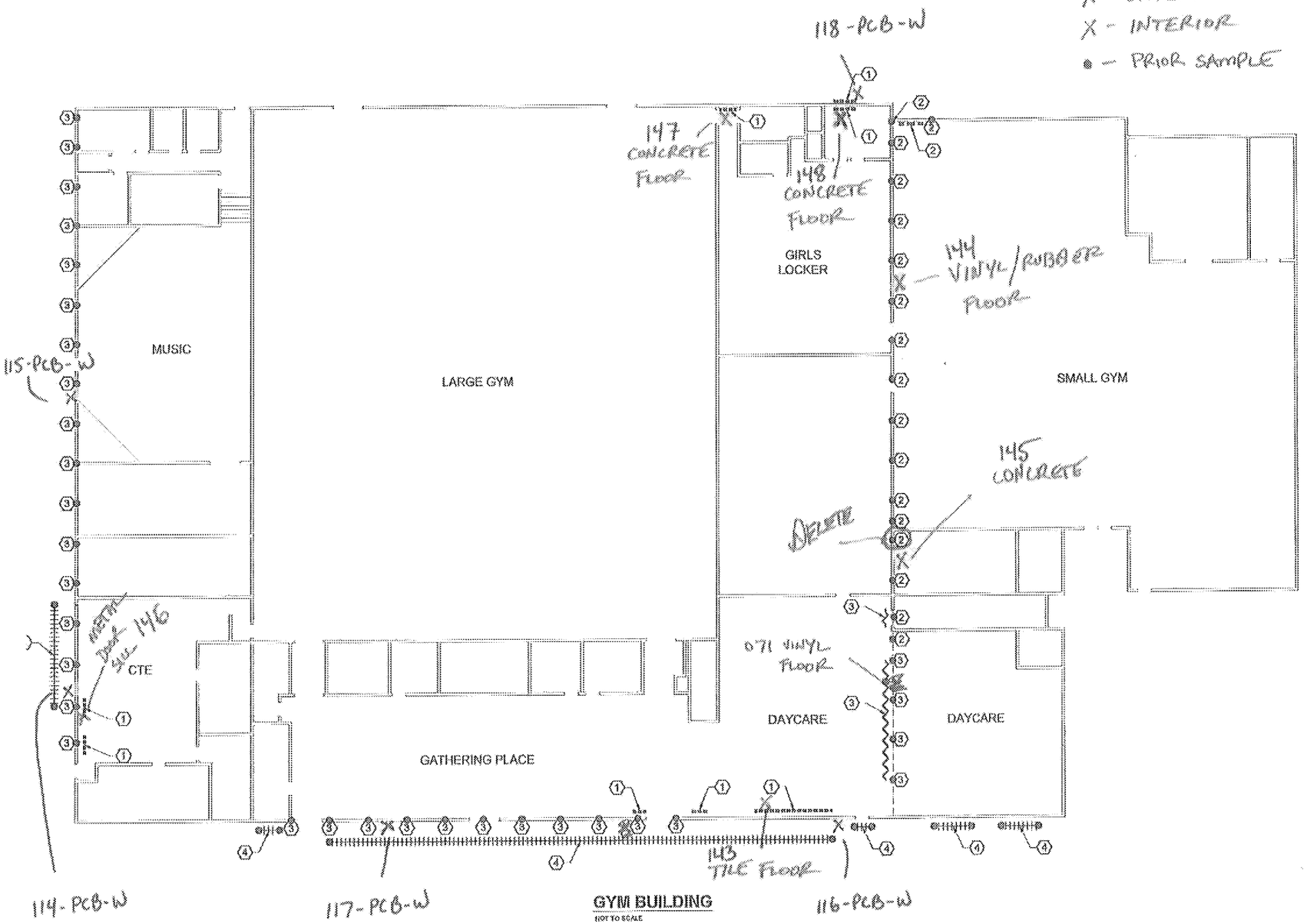
PCB WIPE SAMPLES 6/15/16 PRE-ABATEMENT

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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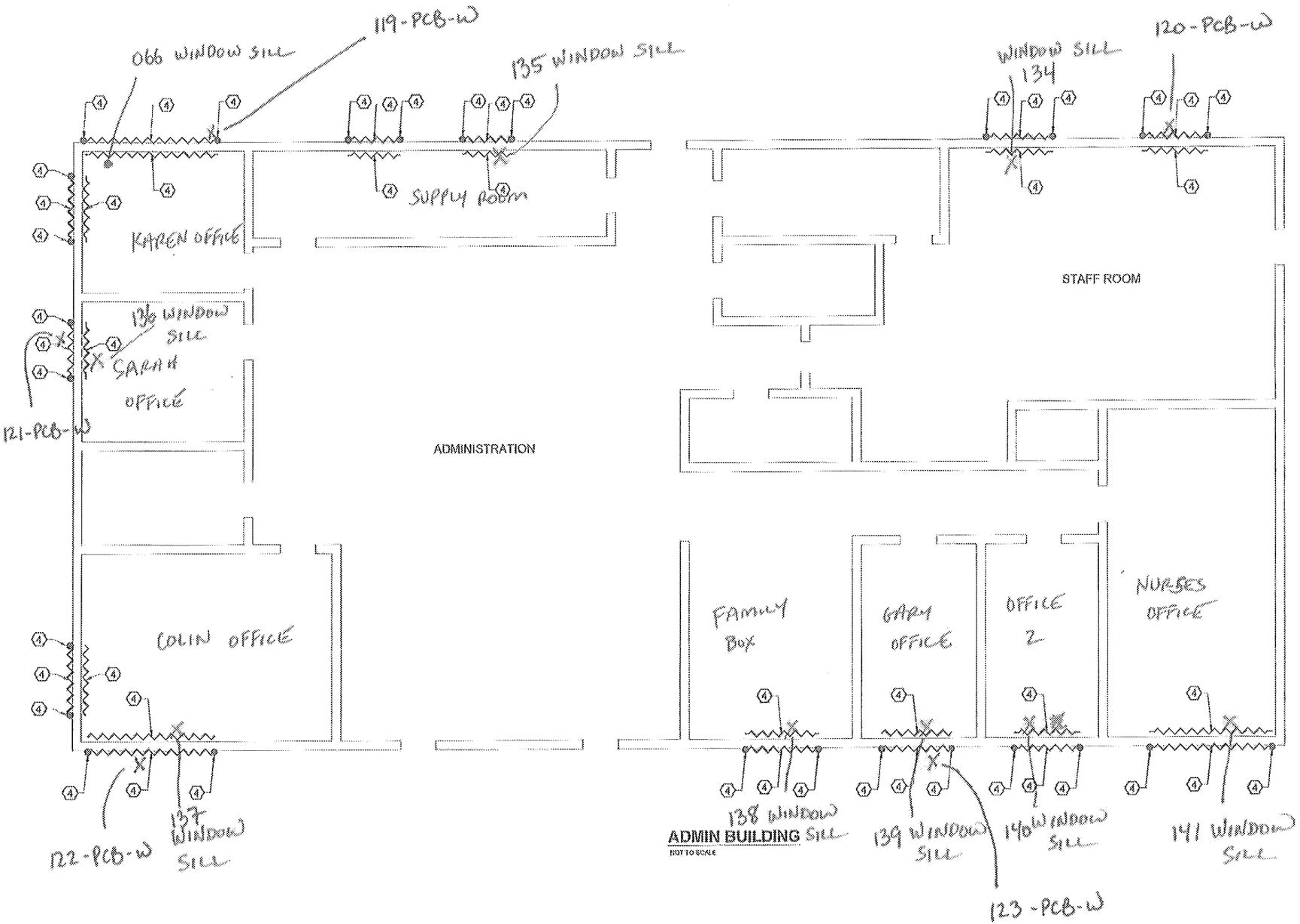
| DRAWN: | JHD |
| CHECKED: | BM |
| DATE: | JUNE 2016 |
| DWG NO. | SHEET NO. |

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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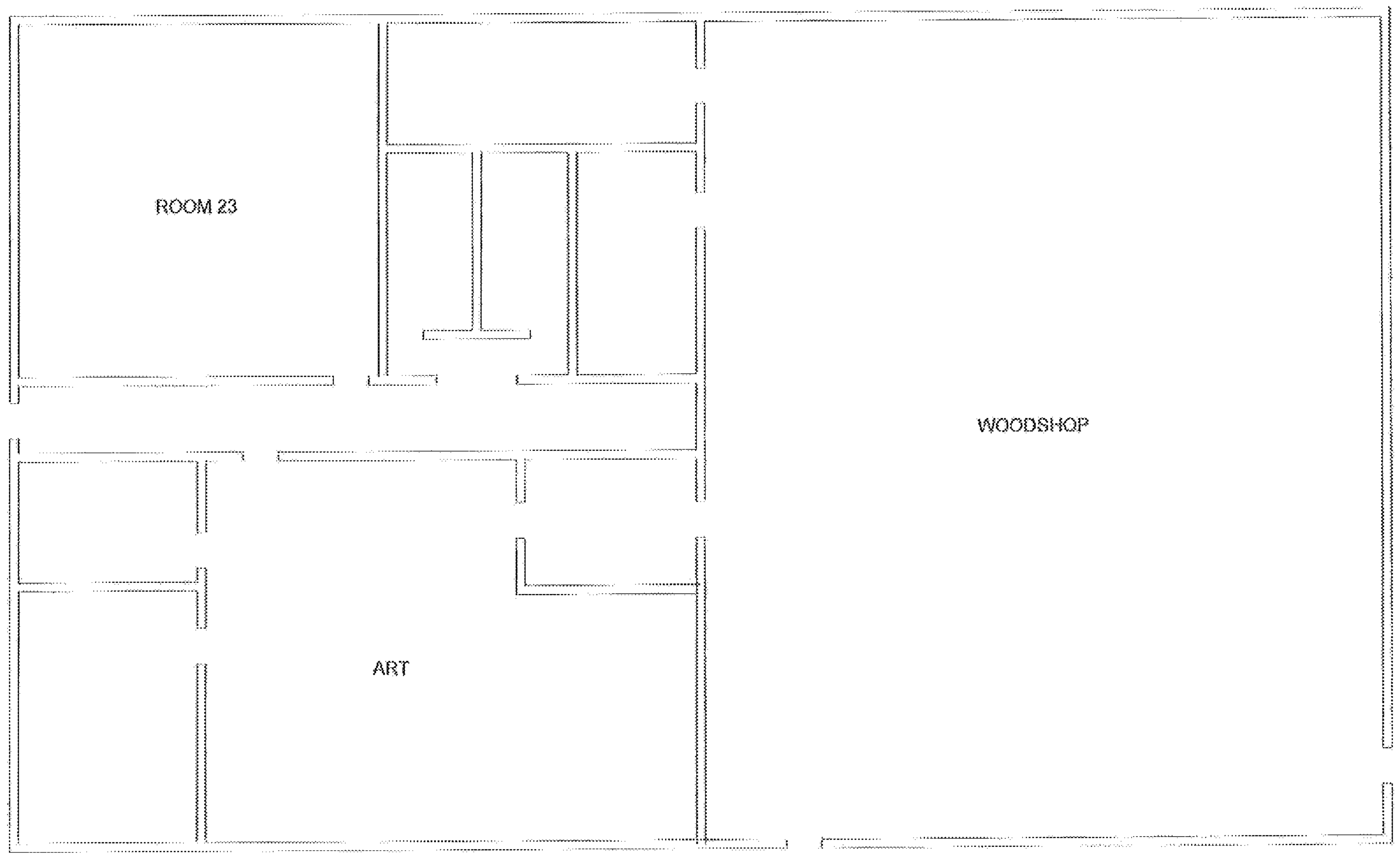
| DWG NO. | SHEET NO |

PCB WIPE SAMPLES 6/15/16

# PRE-ABATEMENT

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## 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.

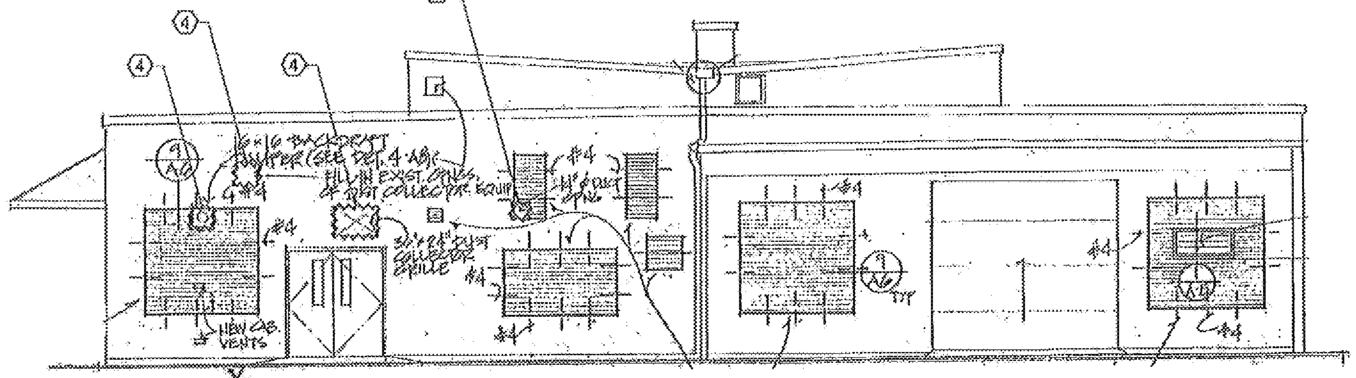
## DRAWING NOTES

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

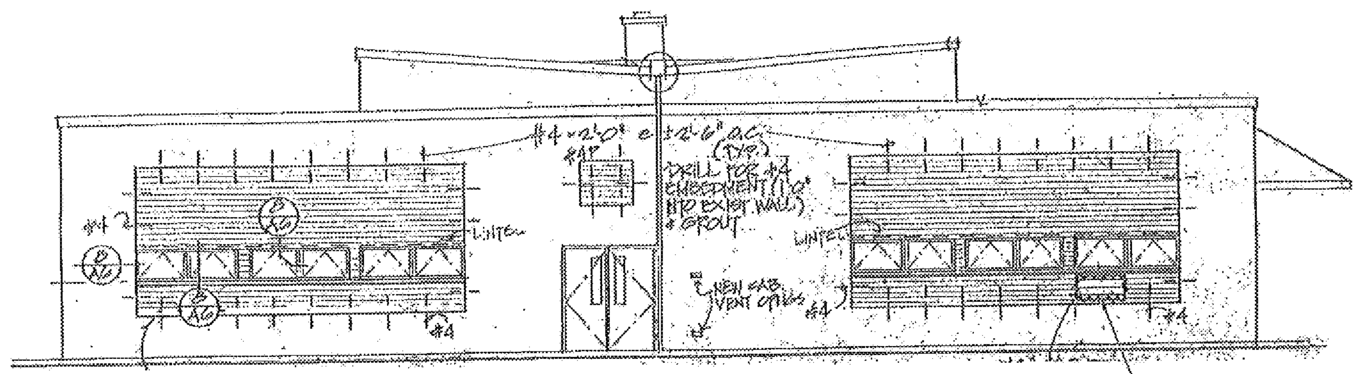
(4) REMOVE PCB-CONTAINING SOFT GREY CAULKING. SEE DRAWING NOTE 1.

(*) NO INTERIOR PCB CONTAINING CAULK IDENTIFIED



1 TECHNOLOGY BUILDING EAST
NOT TO SCALE

124-PCB-W
ASPHALT



2 TECHNOLOGY BUILDING WEST
NOT TO SCALE

SOIL

ALL SAMPLES #-PCB-W

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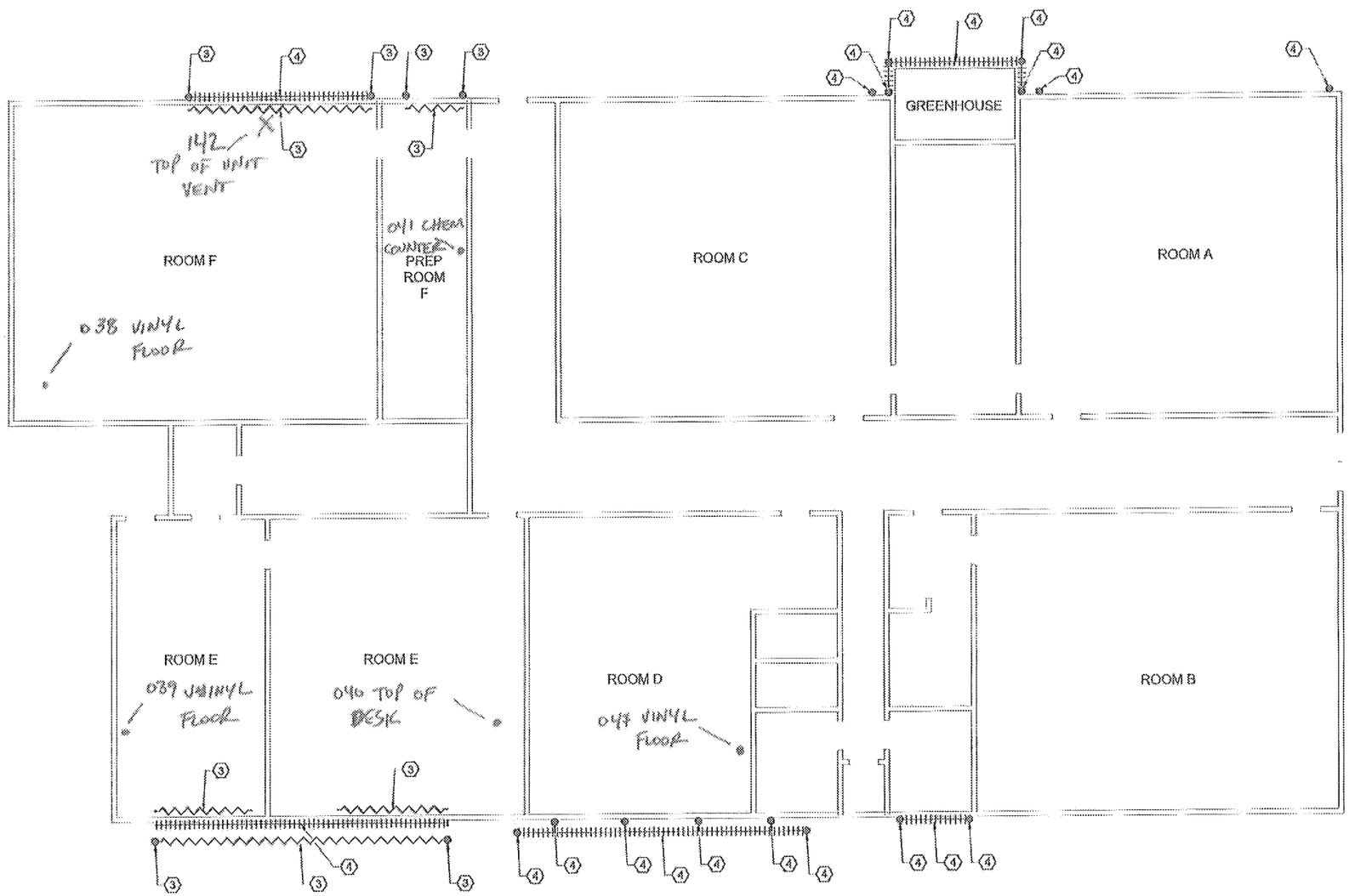
| CHECKED: | GM |
| DATE: | JUNE 2016 |
| DWG NO. | SHEET NO. |

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.
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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.

## 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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206.223.9639
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 2016 |
| DWG NO | SHEET NO. |

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.

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* | | | | |



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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:** | **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
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:** | **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* | | | | |

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:** | **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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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:** | **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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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:** | **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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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:** | **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* | | | | |

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:** | **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* | | | | |

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:** | **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* | | | | |



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:** | **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* | | | | |

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* | | | | |

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* | | | | |



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:** | **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* | | | | |

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* | | | | |



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:** | **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* | | | | |

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* | | | | |



This report pertains to the samples analyzed in accordance with the chain of custody,
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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



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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



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 | Semi-volatiles 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 |
|---|---|---|---|---|
| Relinquished | [signature] | PBS | 6/22/16 | 10:05 AM |
| Received | [signature] | OSE | 6/22/16 | 1005 |
| 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_00093312-00229

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



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: 06-219

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|
| Relinquished | [illegible] | PBS | 6/22/16 | 10:05 AM |
| Received | [illegible] | OnSite Env | 6/22/16 | 1005 |
| 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_00093312-00230

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



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 | [signature] | PBS | 6/23/16 | 10:05 AM |
| Received | [signature] | OnSite Env. | 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_00093312-00231

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



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: 06-219

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HCID | NWTPH-Gx/BTEX | NWTPH-G3 | NWTPH-Dx | Volatiles 8260C | Halogenated Volatiles 8270D/SIM | 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 |
|---|---|---|---|---|
| Relinquished | [signature] | PBS | 6/23/16 | 10:05 AM |
| Received | [signature] | OSE | 6/23/16 | 1005 |
| 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_00093312-00232

**OnSite Environmental Inc.**
Analytical Laboratory Testing Services
14646 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

# Chain of Custody



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: 06-219

| 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 | [illegible] | PBS | 6/22/16 | 10:05 AM |
| Received | [illegible] | [illegible] | 6/22/16 | 1005 |
| Relinquished | | | | |
| Received | | | | |
| Relinquished | | | | |
| Received | | | | |
| Reviewed/Date | | Reviewed/Date | | |

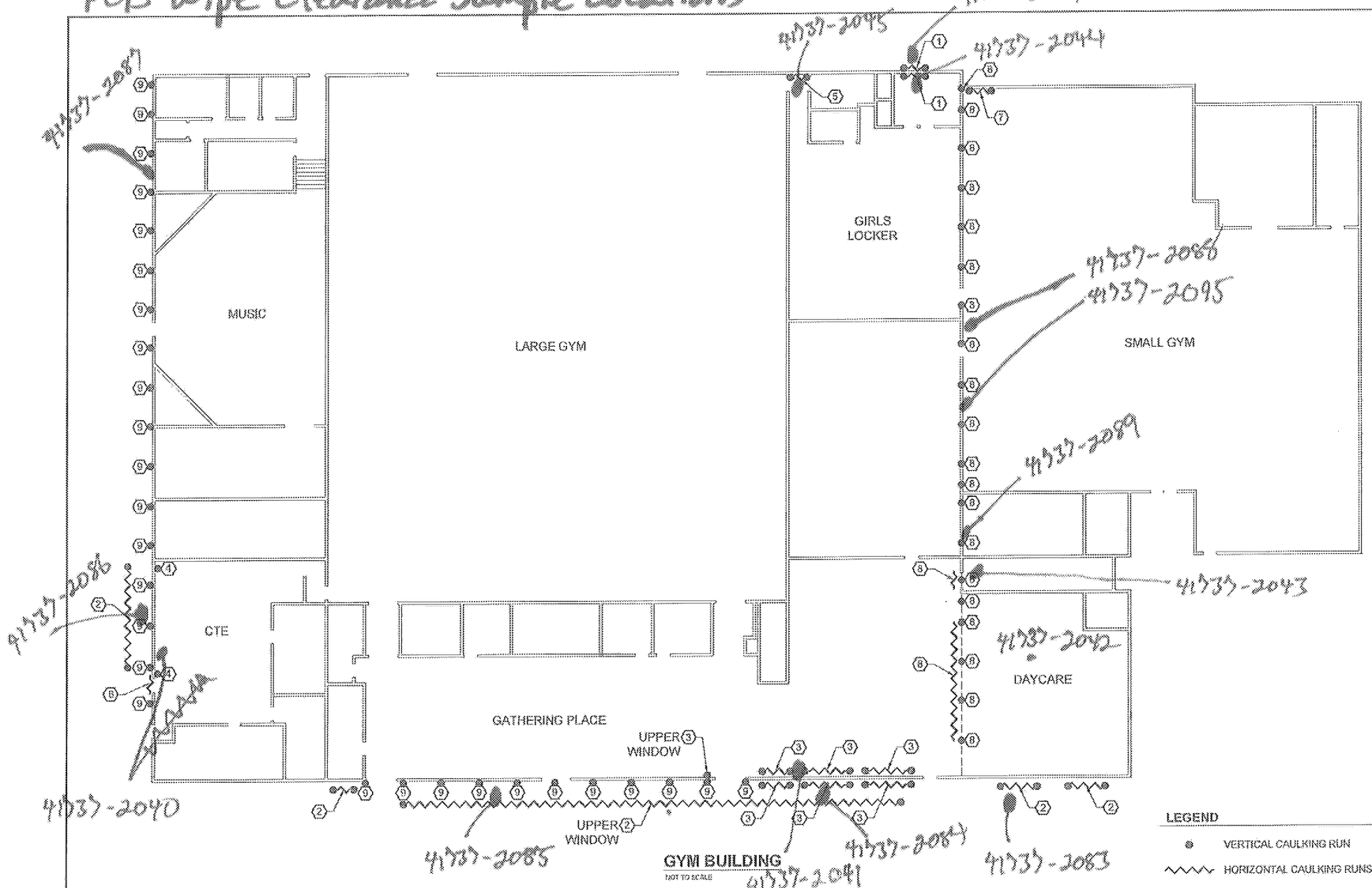
Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐

ED_004522_00093312-00233

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.

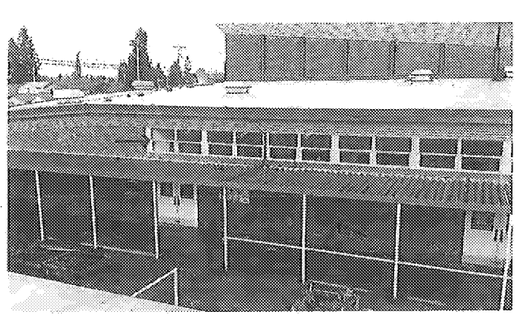
(6) REMOVE APPROX. 18 LF OF PCB-CONTAINING OF CAULK ON EXTERIOR SIDE OF NORTH CTE ENTRY DOOR AS SHOWN.

(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



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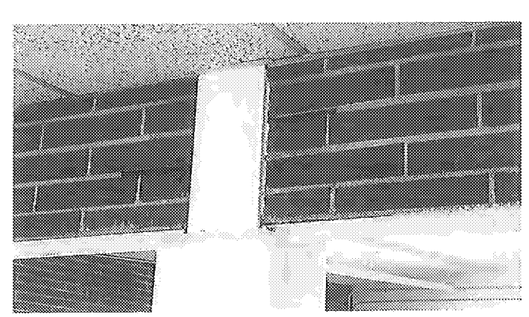
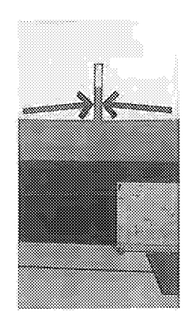


(8) PHOTO DETAIL



(8) PHOTO DETAIL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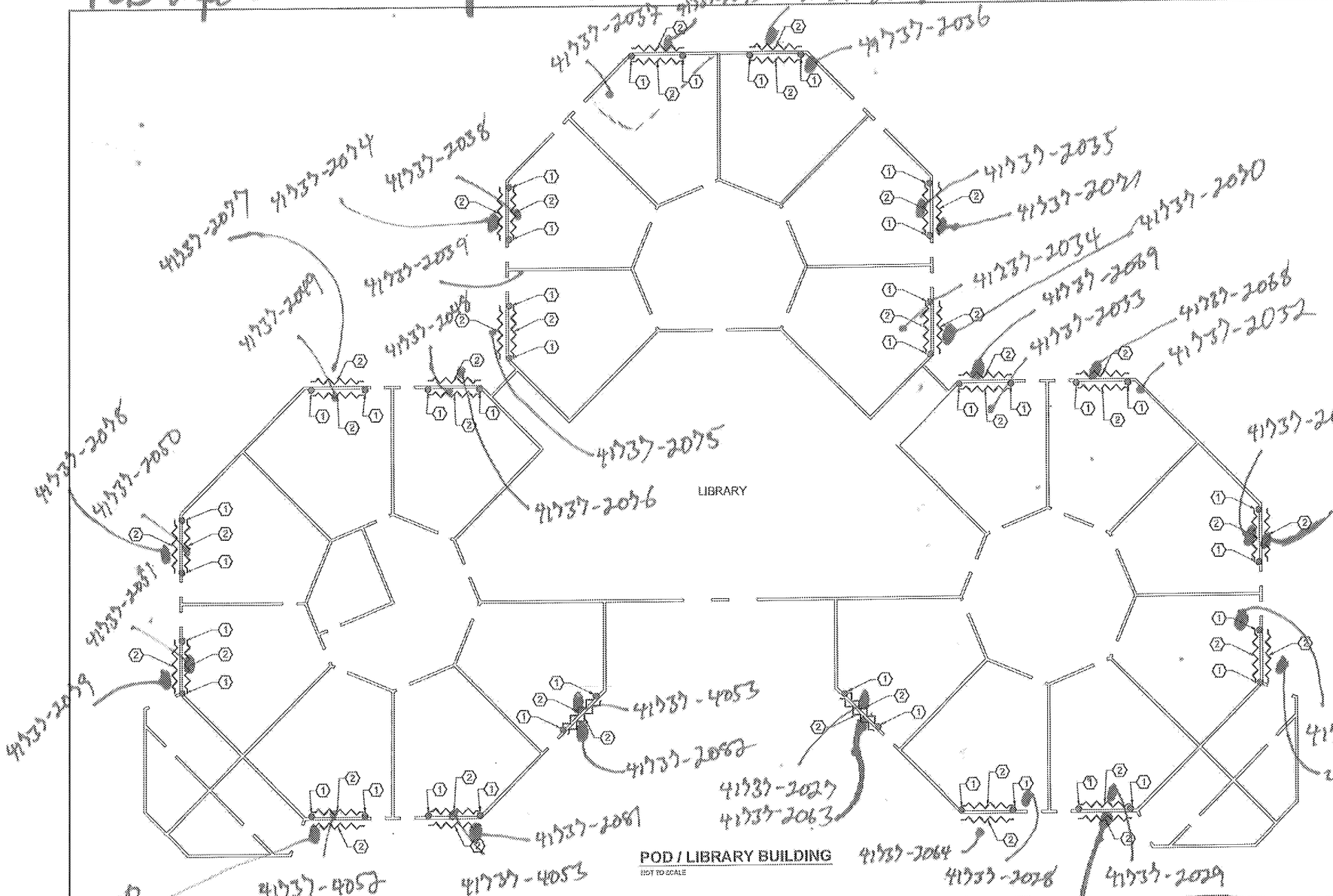
MONROE, WASHINGTON

| | |
|---|---|
| PROJECT: | 41373.009 |
| DRAWN: | JHD |
| CHECKED: | CM |
| DATE: | JUNE 2016 |
| DWG NO. | HM1 |
| SHEET NO. | 1 OF 5 |

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

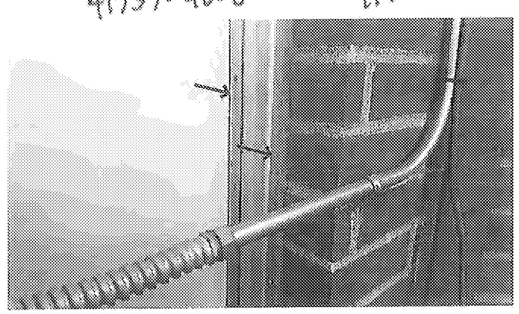
## KEY NOTES

(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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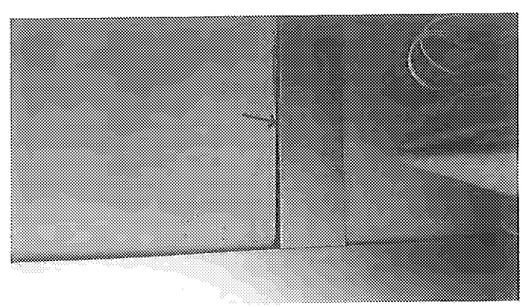

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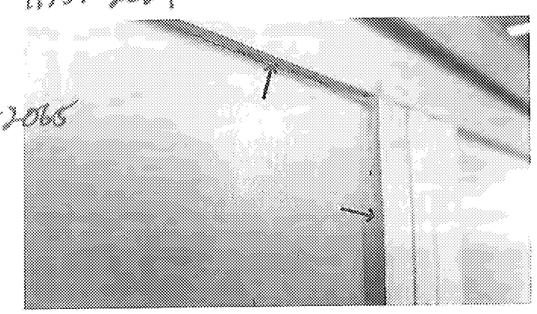

(2) PHOTO DETAIL

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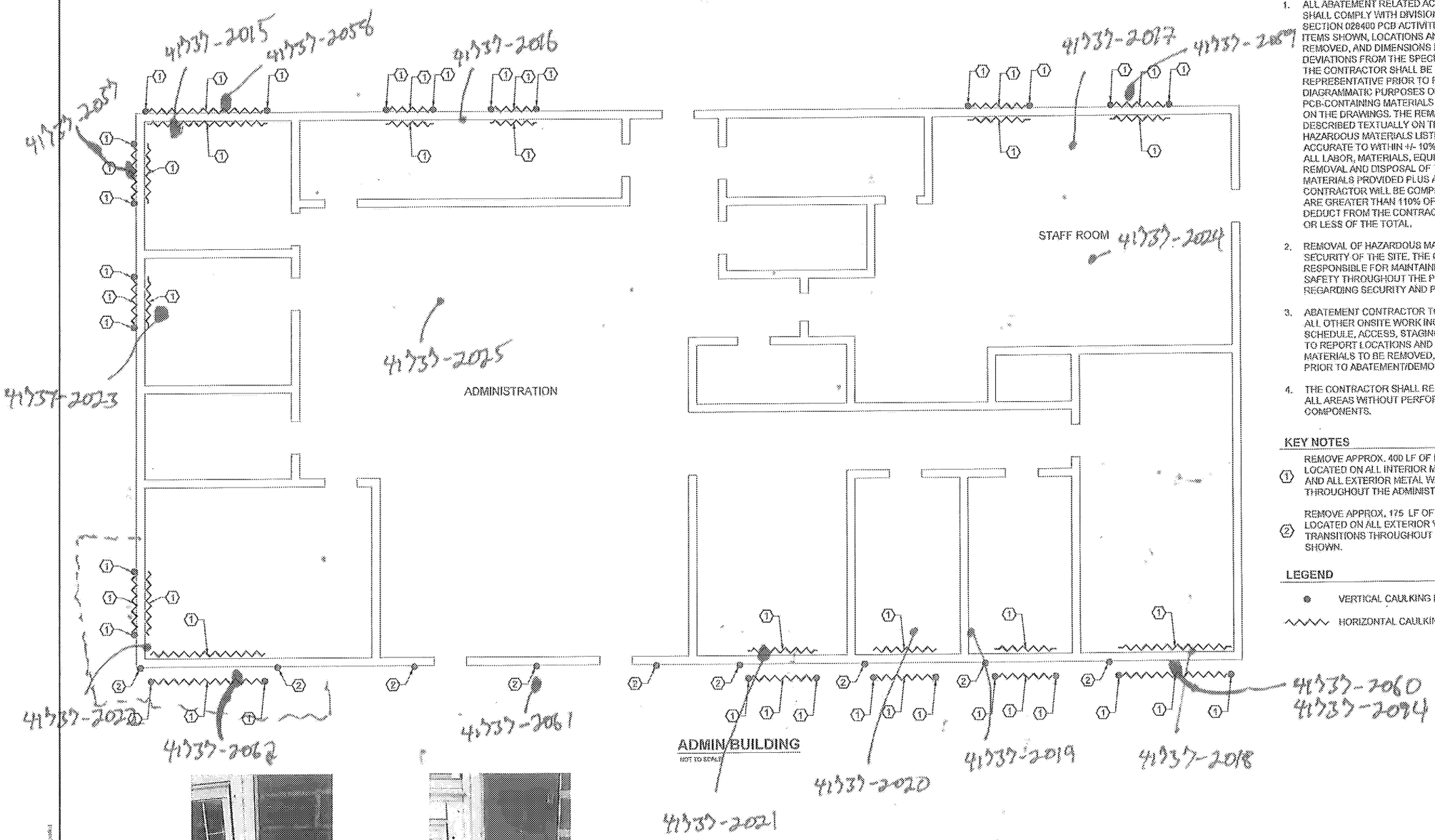
361 SHORT COLUMBIA STREET
MONROE, WASHINGTON

| | |
|---|---|
| PROJECT: | 41373.009 |
| DRAWN: | JHD |
| CHECKED: | GM |
| DATE: | JUNE 2018 |
| DWG NO. | HM2 |
| SHEET NO. | 2 OF 5 |

PCB Wipe Clearance Sample Locations



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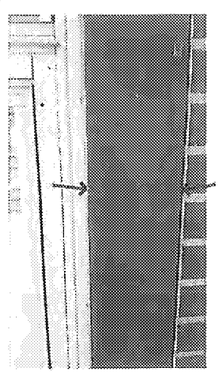

②PHOTO DETAIL

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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. 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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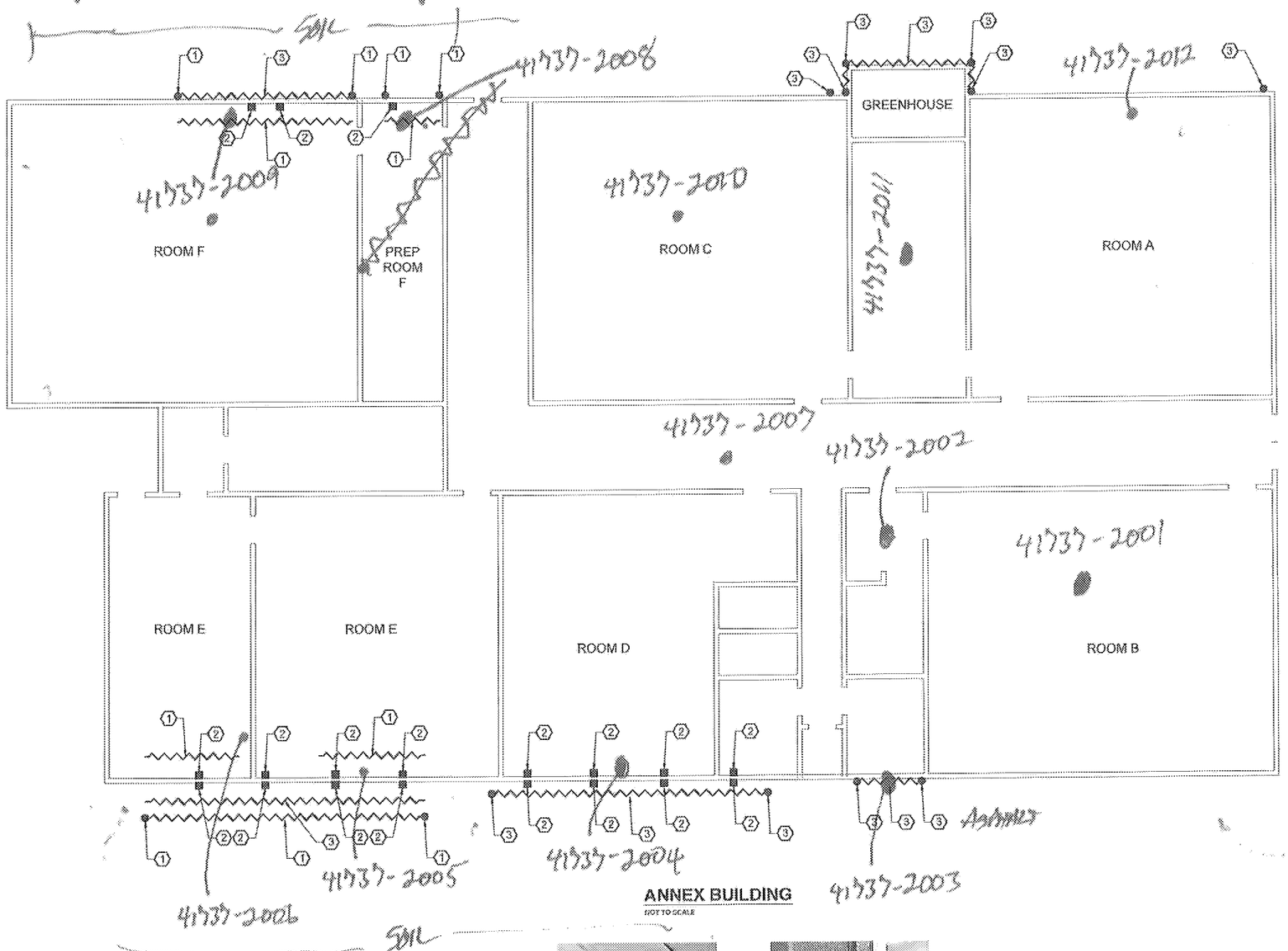
MONROE, WASHINGTON

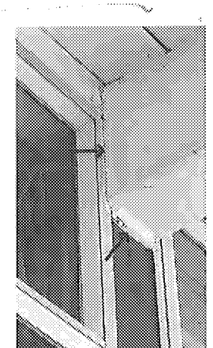
| | |
|---|---|
| PROJECT: | 41373.000 |
| DRAWN: | JHD |
| CHECKED: | GM |
| DATE: | JUNE 2018 |
| DWG NO. | HM3 |
| SHEET NO. | 3 OF 5 |

PCB Wipe Clearance Sample Locations




ANNEX BUILDING
NOT TO SCALE

①②③PHOTO DETAIL



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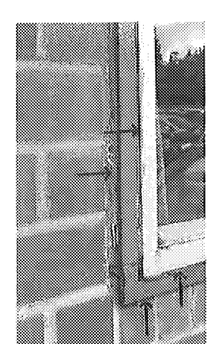

①③PHOTO DETAIL

## 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. 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

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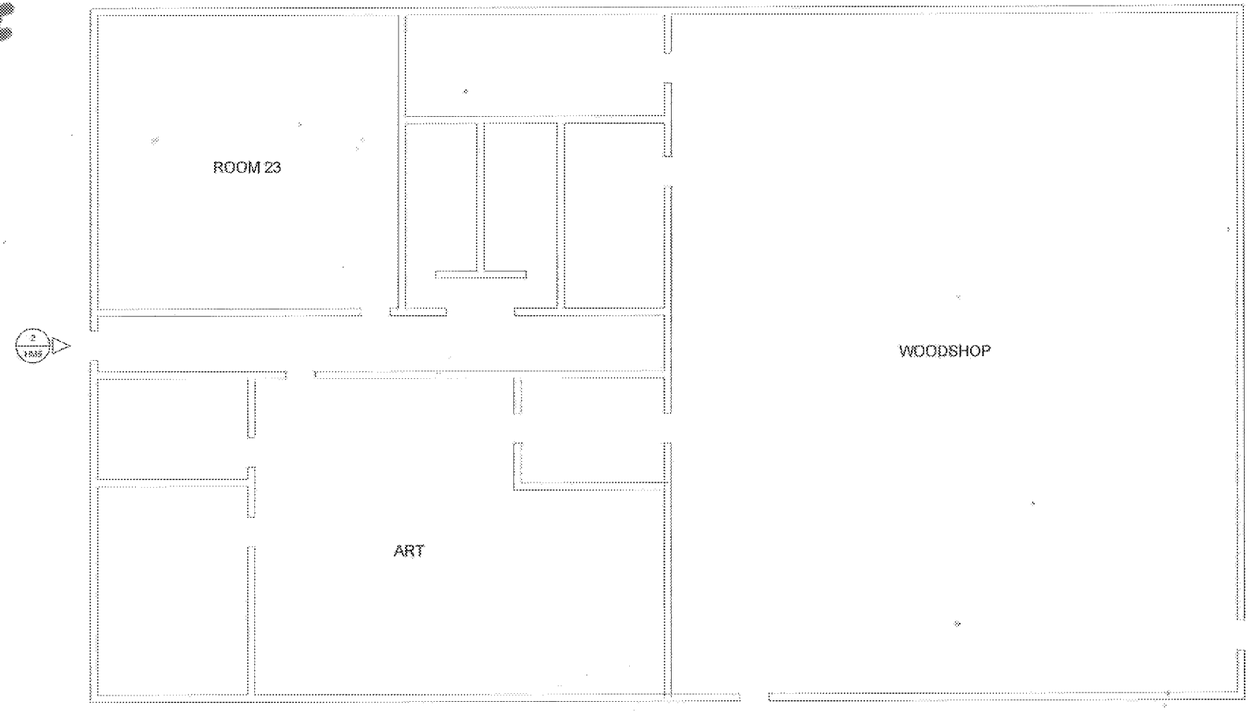
| | |
|---|---|
| PROJECT: | 41373.000 |
| DRAWN: | JHD |
| CHECKED: | GM |
| DATE: | JUNE 2016 |
| DWG NO. | HM4 |
| SHEET NO. | 4 OF 5 |

PCB [redacted] Clearance Locations

WIPE




41737-2090

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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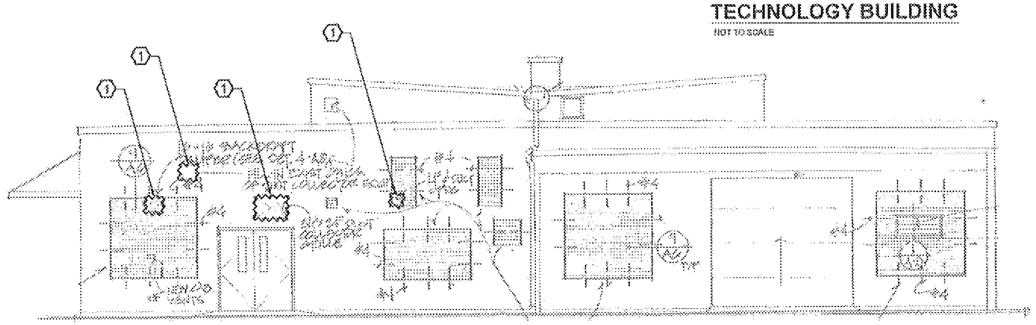
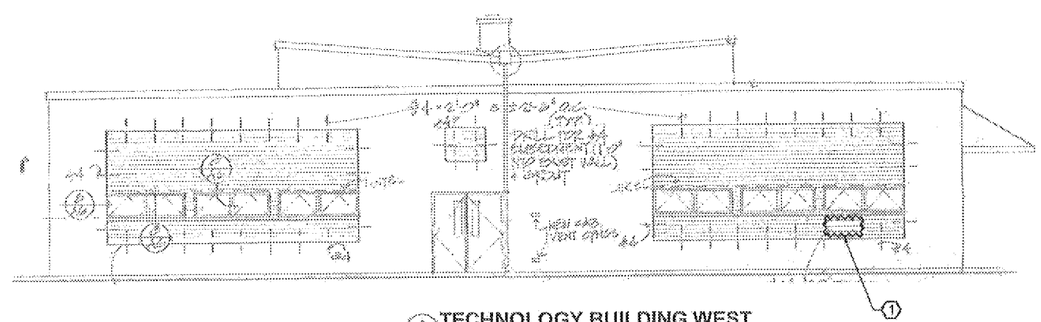
## KEY NOTES

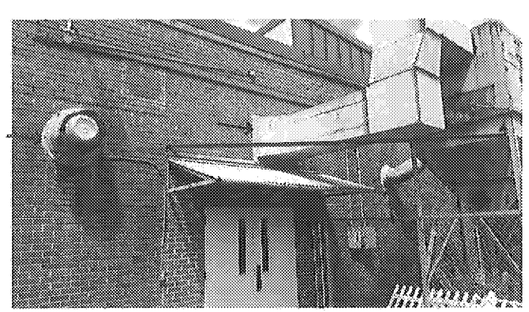
1. REMOVE APPROX. 60 LF OF PCB-CONTAINING CAULKING LOCATED ON EXTERIOR LOUVERS, VENTS AND DUCTING ON METAL TRANSITIONS ON THE WEST AND EAST EXTERIOR ELEVATIONS OF THE TECHNOLOGY BUILDING AS SHOWN.



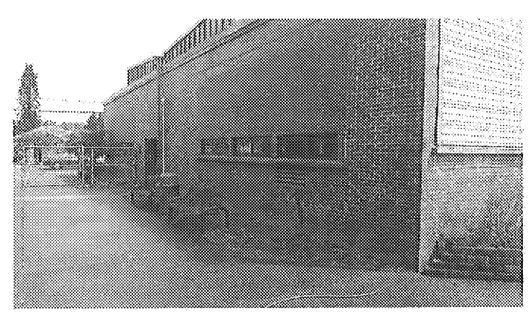
1 TECHNOLOGY BUILDING EAST
NOT TO SCALE



2 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
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

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

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 8/22/16 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@pbsenvi.com

Telephone (206) 255-4659

Fax Telephone ( )

Billing Address (if different) Same

Quote No. —

Sampling Site SVEC

Date/Time of Collection 8/22/16 14:38

Project No. 41373.000

| Lab Use Only | Client Sample Number | Media Type | Sample Volume (Liters) | SW8082 ANALYSIS REQUESTED - Use Method Number if Known |
|---|---|---|---|---|
| | 41373 - 2001 | Wipe | 100 cm² | [redacted] Rm B Floor |
| | 2002 | | | Rm B Sink Counter |
| | 2003 | | | Girls Rest Room Sill |
| | 2004 | | | Room D Uni Vent |
| | 2005 | | | Rm E East 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 |
|---|---|---|---|
| [signature] | 8/22 14:38 | | |
| 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: |

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 (City) WA (State) 98102 (Zip)

Send Report To Gregg Middaugh

Email Address gregg.middaugh@pbsenv.com

Telephone (206) 255-4659

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 [redacted] 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 | | | Mail Area Window Sill |
| | 2022 | | | Colin Egger's 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 |
|---|---|---|---|
| [signature] | 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 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: |

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 | | | Daycare 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 |
|---|---|---|---|
| [signature] | 8/29/16 1430 | | |
| Relinquished by: (Signature) | Date / Time | Received by: (Signature) | Date / Time |
| [signature] | | | |

| 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: |

18914

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 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
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 Hle |
| | -2044 | Wipe | | Girls Locker Storage Window Sill |
| | -2045 | Wipe | | Girls Locker 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 |
|---|---|---|---|
| [signature] | 8/29/16 1430 | | |
| Relinquished by: (Signature) | Date / Time | Received by: (Signature) | Date / Time |
| [signature] | | | |

| 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: |

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
Company Name PBS Eng + Env
Address 2517 East Lake Ave E #100
Seattle (City) WA (State) 98102 (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 8/30/16 1130
Project No. 41373.000
Billing Address (if different)
Same

Stella Harris - Project Manager

| Lab Use Only | Client Sample Number | Media Type | Sample Volume (L)/ Sample Time (min.) | ANALYSIS REQUESTED - Use Method Reference Number SW8082 |
|---|---|---|---|---|
| | 41373 - 2048 | Wipe | 100cm² | Rm 14 Univent [redacted] |
| | 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 |

**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] | 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 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: |

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) 255-4659
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 Haniz - Project Manager

| Lab Use Only | Client Sample Number | Media Type | Sample Volume (L)/ Sample Time (min.) | ANALYSIS REQUESTED - Use Method Number if Known: SW 8082 |
|---|---|---|---|---|
| | 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: STD MAIL PRTY MAIL CLIENT ALS DROP BOX COURIER FEDEX UPS 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) 255-4659
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)
Same

Stella Harris - Project Manager

SW8082

| Lab Use Only | Client Sample Number | Media Type | Sample Volume (L)/ Sample Time (min.) | ANALYSIS REQUESTED - Use Method Number |
|---|---|---|---|---|
| | 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: | CLIENT | DROP BOX | FEDEX | UPS |
|---|---|---|---|---|---|---|---|---|---|---|
| COOLER TEMP: | °C | pH ADJUSTMENTS: | | | | STD MAIL | PRTY MAIL | ALS | COURIER | OTHER: |
| | | | | | | 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 (City) WA (State) 98102 (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
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 [redacted] |
|---|---|---|---|---|
| | 41373-2089 | Wipe | 100 cm² | Small Gym Storage |
| | 2090 | | | Tech Bldg East Area |
| | 2091 | | | Gym-Ext Girls Locker, N. window |
| | 2092 | | | Blank |
| | 2093 | | | Blank |
| | | | | |
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**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] | 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: |

**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 ____

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. Door | ↓ | ↓ | ↓ | 1 | | | | | | | | | | | | | | | | | | X | | | | |
| 3 | 2096 | Blank | ↓ | ↓ | ↓ | 1 | | | | | | | | | | | | | | | | | | X | | | | |
| 4 | 2097 | Blank | ↓ | ↓ | ↓ | 1 | | | | | | | | | | | | | | | | | | X | | | | |

| | Signature | Company | Date | Time |
|---|---|---|---|---|
| Relinquished | [signature] | PBS | 9/9/16 | 7:31 |
| Received | [signature] | 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_00093312-00247

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

# 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_00093312-00249

**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_00093312-00250

# 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:**

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.

# ALS Environmental

Date: 24-Aug-16

**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_00093312-00266

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: Stephanie Harrington 23-Aug-16 (eSignature / Date)

Reviewed by: Shawn Smyth 23-Aug-16 (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:

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_00093312-00269

**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_00093312-00270

# 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:**

# 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.

# ALS Environmental

Date: 26-Aug-16

**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_00093312-00285

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: Stephanie Harrington 25-Aug-16 (eSignature / Date)

Reviewed by: Shawn Smyth 25-Aug-16 (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

# 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_00093312-00288

**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_00093312-00289

# 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:**

ALS Environmental

Date: 01-Sep-16

**Client:** PBS
**Work Order:** 16081052
**Project:** SVEC; 41373.000

# 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 | |

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 dbN ieman 30-Aug-16 (eSignature / Date) Reviewed by: S hawn S myth 31-Aug-16 (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_00093312-00316

**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_00093312-00317

# 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:**

# 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 | |

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: Stephanie Harrington 31-Aug-16 (eSignature / Date)

Reviewed by: Shawn Smyth 31-Aug-16 (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:

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_00093312-00331

# 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_00093312-00332

# 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:**

# 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:**

# 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:**

# 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:**

# 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:**

# 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:**

# 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 | | Reporting Limit | | |
| | µg/sample | 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:**

# 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:**

ALS Environmental

Date: 07-Sep-16

**Client:** PBS
**Work Order:** 1609094
**Project:** SVEC; 41373.000

# 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.

# ALS Environmental

Date: 07-Sep-16

**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_00093312-00372

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: Stephanie Harrington 06-Sep-16 (eSignature / Date)

Reviewed by: Shawn Smyth 07-Sep-16 (eSignature / Date)

Matrices:

Carrier name: FedEx

| | Yes | No | Not Present |
|---|---|---|---|
| Shipping container/cooler in good condition? | ☑ | ☐ | ☐ |
| Custody seals intact on shipping container/cooler? | ☐ | ☐ | ☑ |
| Custody seals intact on sample bottles? | ☐ | ☐ | ☑ |
| Chain of custody present? | ☑ | ☐ | |
| Chain of custody signed when relinquished and received? | ☑ | ☐ | |
| Chain of custody agrees with sample labels? | ☑ | ☐ | |
| Samples in proper container/bottle? | ☑ | ☐ | |
| Sample containers intact? | ☑ | ☐ | |
| Sufficient sample volume for indicated test? | ☑ | ☐ | |
| All samples received within holding time? | ☑ | ☐ | |
| Container/Temp Blank temperature in compliance? | ☑ | ☐ | |

Temperature(s)/Thermometer(s): 26.1

Cooler(s)/Kit(s):

| | Yes | No | | |
|---|---|---|---|---|
| Water - VOA vials have zero headspace? | ☐ | ☐ | No VOA vials submitted | ☑ |
| Water - pH acceptable upon receipt? | ☐ | ☐ | N/A | ☑ |
| pH adjusted? | ☐ | ☐ | 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.

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.

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



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)

Laboratory Number: 09-093

| 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 |
|---|---|---|---|---|
| Relinquished | [signature] | PBS | 9/9/16 | 7:31 |
| Received | [signature] | 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 [ ]

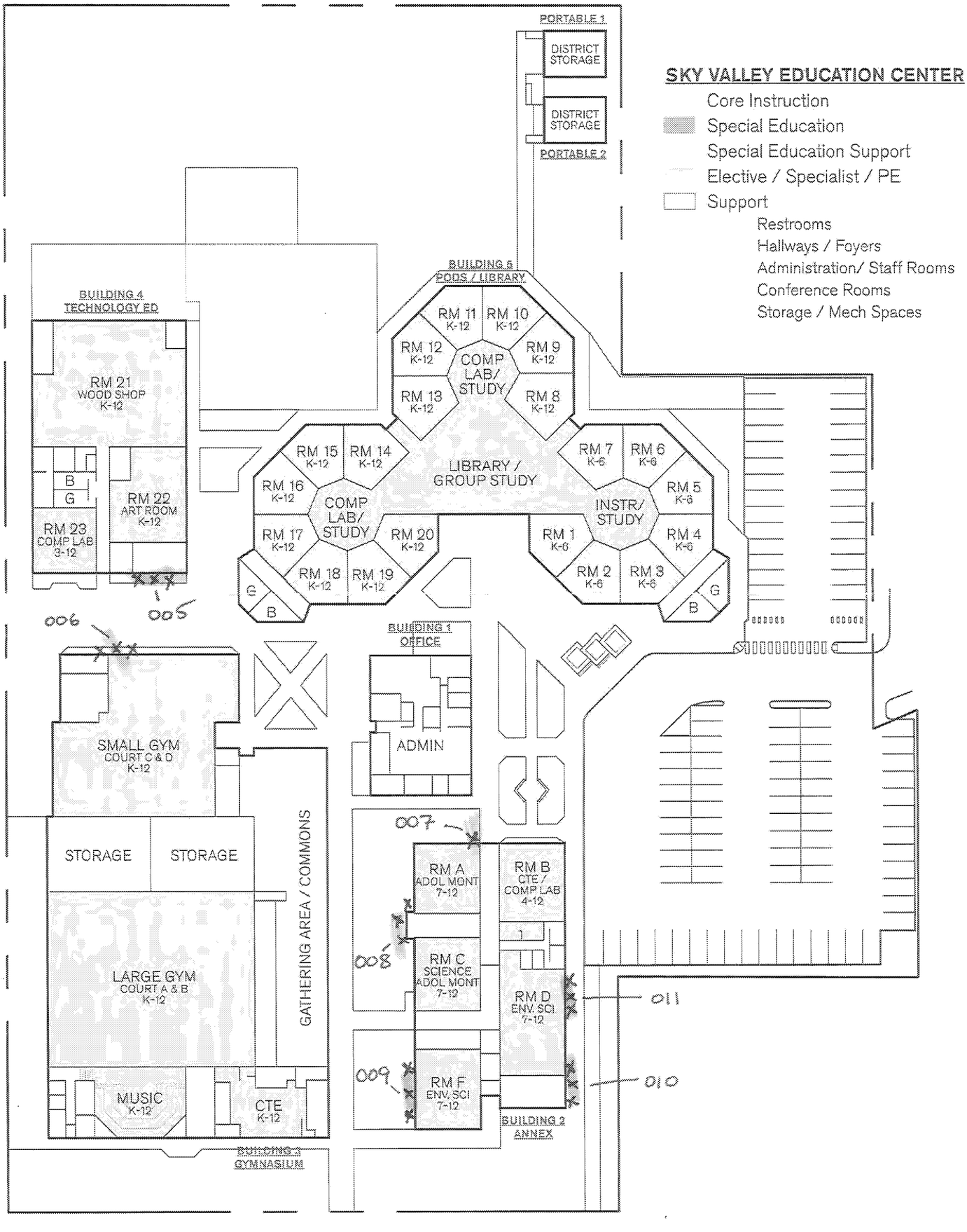
Chromatograms with final report [ ] Electronic Data Deliverables (EDDs) [ ]

ED_004522_00093312-00380

***TAB 6***
***PCB Soil Sample Lab Reports***
***Sample Location Field Drawings***

PBS ENG + ENV.
PRE-ABATEMENT
PCB SOIL SAMPLES 6/6/16








ED_004522_00093312-00382

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
ALS Group USA, Corp dba ALS Environmental

Environmental www.alsglobal.com
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ALS Environmental

## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>Seattle, WA 98102 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 6/24/2016<br>EV16060145<br>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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| | | | |
|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>Seattle, WA 98102 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 6/24/2016<br>EV16060145<br>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 |

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| | | | |
|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>Seattle, WA 98102 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 6/24/2016<br>EV16060145<br>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 |

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| | | | |
|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>Seattle, WA 98102 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 6/24/2016<br>EV16060145<br>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 |

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|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>Seattle, WA 98102 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 6/24/2016<br>EV16060145<br>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 |

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|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>Seattle, WA 98102 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 6/24/2016<br>EV16060145<br>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 |

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| | | | |
|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>Seattle, WA 98102 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 6/24/2016<br>EV16060145<br>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 |

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| | | | |
|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>Seattle, WA 98102 | DATE:<br>ALS SDG#:<br>WDOE ACCREDITATION: | 6/24/2016<br>EV16060145<br>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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| | | | |
|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>Seattle, WA 98102 | DATE:<br>ALS SDG#:<br>WDOE ACCREDITATION: | 6/24/2016<br>EV16060145<br>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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EV16060145
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*.**

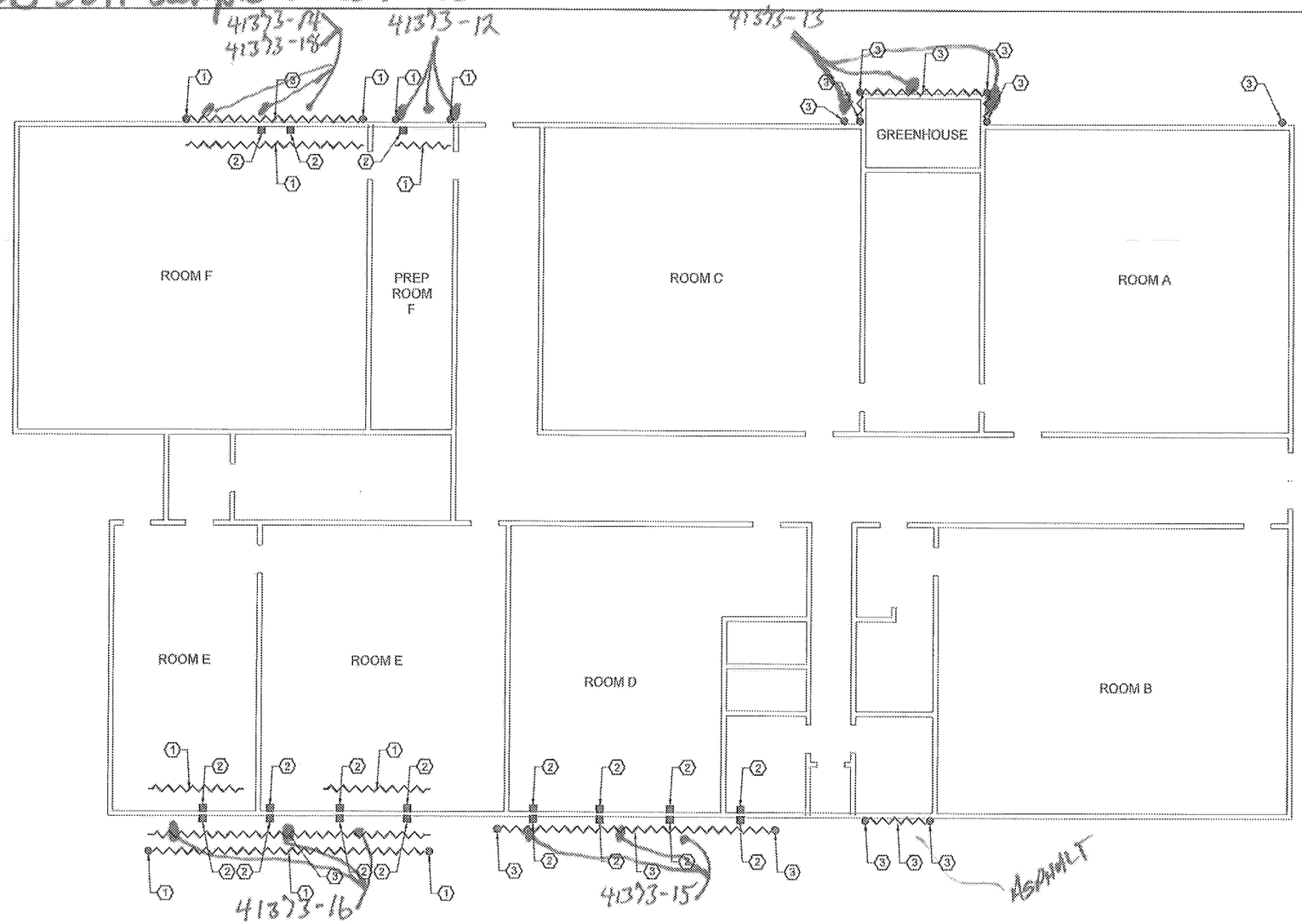
## CHAIN OF CUSTODY

| Relinquished by: (Signature) | Date / Time | Received by: (Signature) | Date / Time |
|---|---|---|---|
| [signature] | 6/22/16 10:45 | Shawn Robinson 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: | | | | | | | | | |

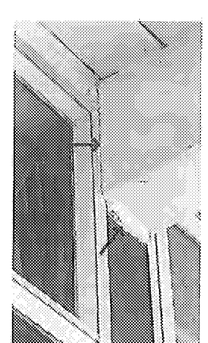
PCB Soil Sample Locations



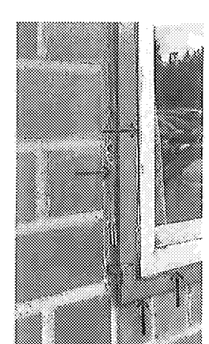

ANNEX BUILDING

NOT TO SCALE

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. 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

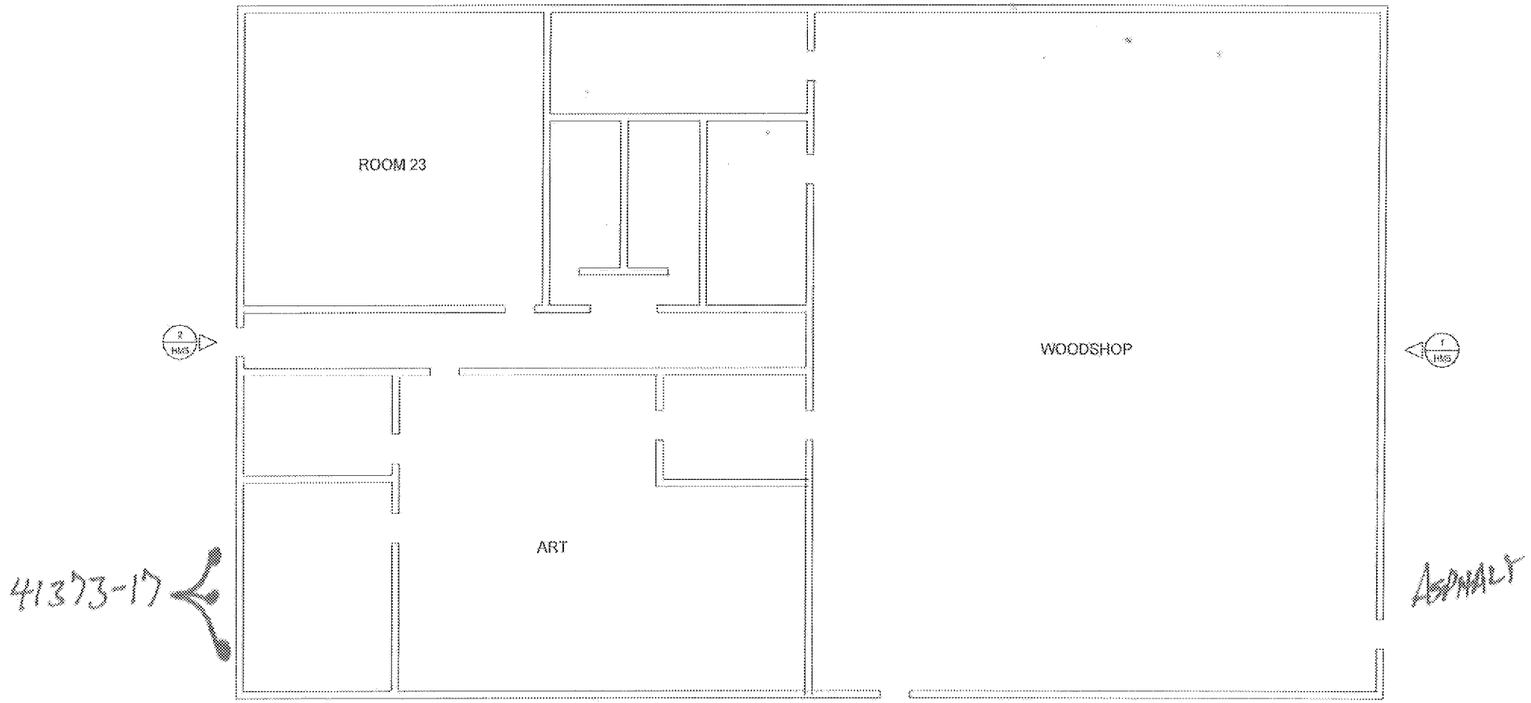
# ANNEX BUILDING CAULKING ABATEMENT PLAN

SKY VALLEY EDUCATIONAL CENTER

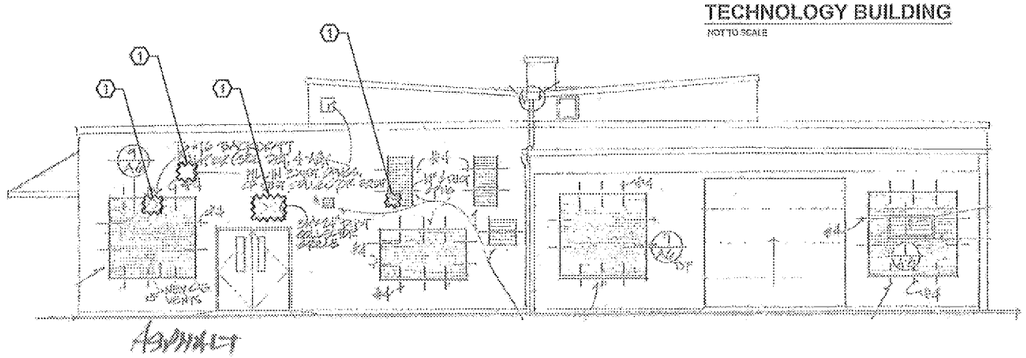
SKY VALLEY EDUCATIONAL CENTER
351 SHORT COLUMBIA STREET
MONROE, WASHINGTON

| | |
|---|---|
| PROJECT: | 41373.000 |
| DRAWN: | JHD |
| CHECKED: | GM |
| DATE: | JUNE 2018 |
| DWG NO. | HM4 |
| SHEET NO. | 4 OF 5 |

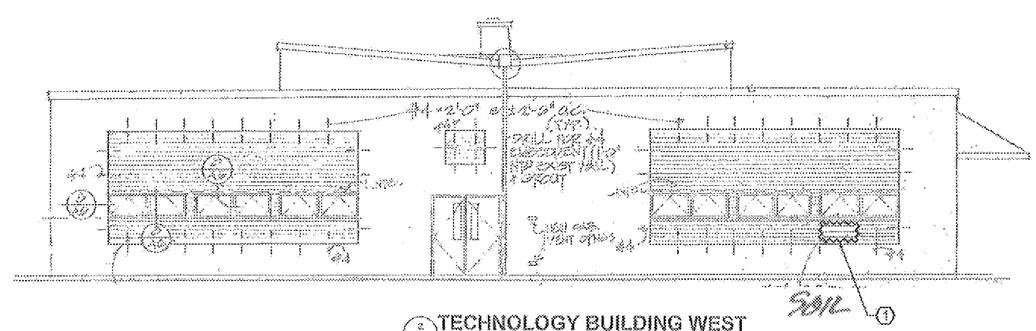
PCB Soil Sample Locations



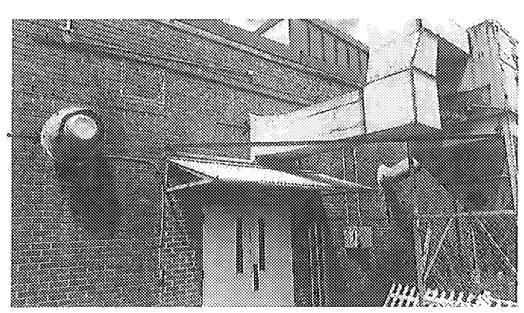

TECHNOLOGY BUILDING
NOT TO SCALE



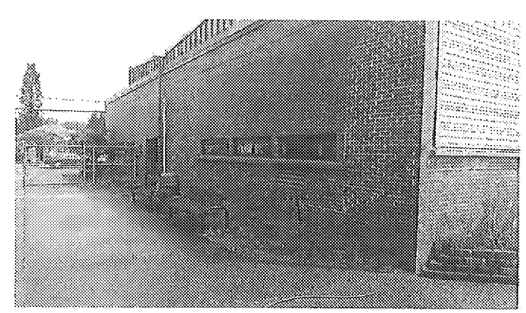

TECHNOLOGY BUILDING EAST
NOT TO SCALE




TECHNOLOGY BUILDING WEST
NOT TO SCALE



① PHOTO DETAIL



① 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.
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.

NOT TO SCALE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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: | 41373.009 |
| DRAWN: | JHD |
| CHECKED: | GM |
| DATE: | JUNE 2016 |
| DWG NO. | HM5 |
| SHEET NO. | 5 OF 5 |

**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 | | | | | | |
|---|---|---|---|---|---|---|
| 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: | | | | |

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



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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>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 |

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| | | | |
|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>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 |

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|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>Seattle, WA 98102 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 6/24/2016<br>EV16060145<br>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 |

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|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>Seattle, WA 98102 | DATE: | 6/24/2016 |
| | | ALS JOB#: | EV16060145 |
| | | ALS SAMPLE#: | 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 |

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|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>Seattle, WA 98102 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 6/24/2016<br>EV16060145<br>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 |

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| | | | |
|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>Seattle, WA 98102 | DATE:<br>ALS JOB#:<br>ALS SAMPLE#: | 6/24/2016<br>EV16060145<br>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 |

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## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>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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ALS Group USA, Corp dba ALS Environmental

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ALS Environmental

## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>Seattle, WA 98102 | DATE: | 6/24/2016 |
| | | ALS SDG#: | EV16060145 |
| | | WDOE ACCREDITATION: | 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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ALS Environmental

## CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| CLIENT: | PBS Environmental<br>2517 Eastlake Ave. E., Suite 100<br>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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**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: Ced Alvarez

**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:** 09-001

| 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: ced.alvarez@pbsenv.com w/ results

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

ED_004522_00093312-00407

**OnSite Environmental Inc.**
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

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.

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.

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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:** 09-055

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)
☐ 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 C | ↓ | ↓ | ↓ | 1 | | | | | | | | | | | | | | | | | | X | | | | X |
| 3 | -20 | Annex Room G | | | | 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 | [signature] | PBS | 9/7/16 | 9:00 |
| Received | [signature] | 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_00093312-00415

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.

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.

**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: Carl Alvarez

**Turnaround Request (in working days)**
(Check One)
☒ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days) (TPH analysis 5 Days)
☑ 10am 9/9/16 (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 | PCB | | | | % Moisture |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 41373-23 Prep Rm F | 9/8/16 | 1530 | Soil | 1 | | | | | | | | | | | | | | | | | | X | | | | X |
| 2 | 41373-24 Annex Rm E | 9/8/16 | 1530 | Soil | 1 | | | | | | | | | | | | | | | | | | X | | | | X |
| | Third Clearance Set | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | POST ABATEMENT | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | Signature | Company | Date | Time |
|---|---|---|---|---|
| Relinquished | [signature] | PBS | 9/8/16 | 1556 |
| Received | [signature] | OSE | 9/8/16 | 1556 |
| Relinquished | | | | |
| Received | | | | |
| Relinquished | | | | |
| Received | | | | |
| Reviewed/Date | | Reviewed/Date | | |

**Comments/Special Instructions**
email: carl.alvarez@pbsenv.com

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

ED_004522_00093312-00423

**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.

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.

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 -

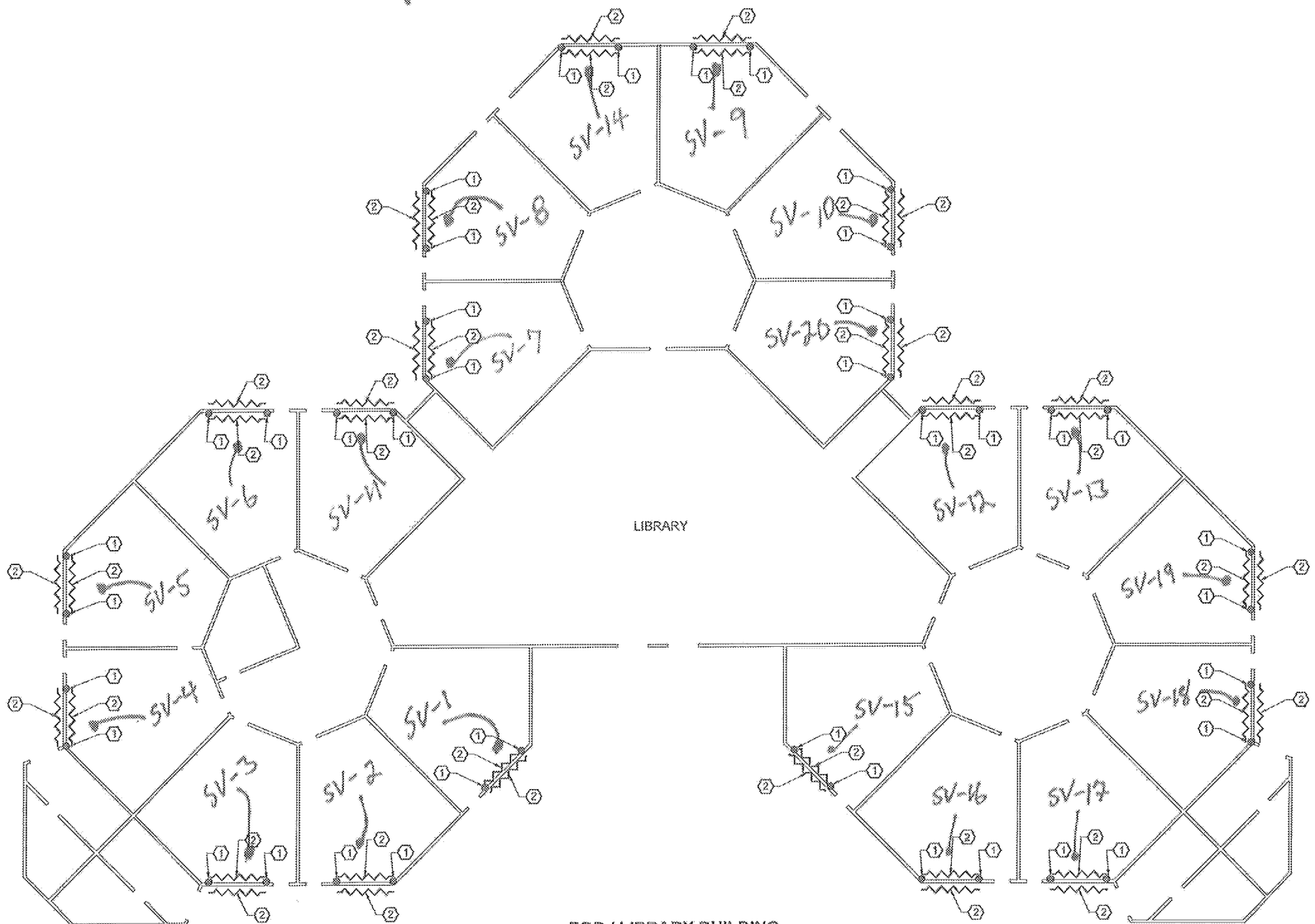
ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference



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.

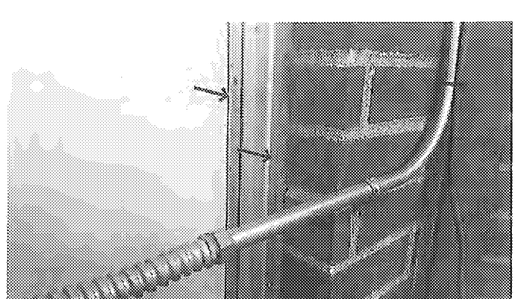
## KEY NOTES

(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.

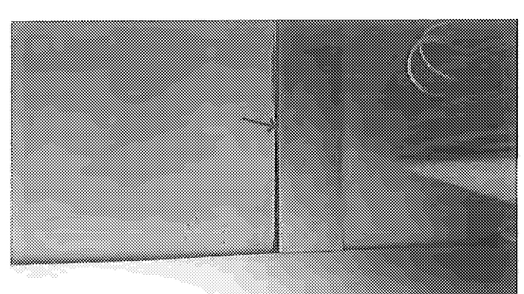
(2) REMOVE APPROX. 1,400 LF OF PCB-CONTAINING CAULKING ON THE INTERIOR AND EXTERIOR SIDES OF THE CEMENT ASBESTOS BOARD (CAB) WINDOW INFILL PANELS. THE CAULKING FILLS THE GAP BETWEEN THE METAL WINDOW FRAME AND CAB TRANSITION IN EACH OF CLASSROOMS 1-20 AS SHOWN.

## LEGEND

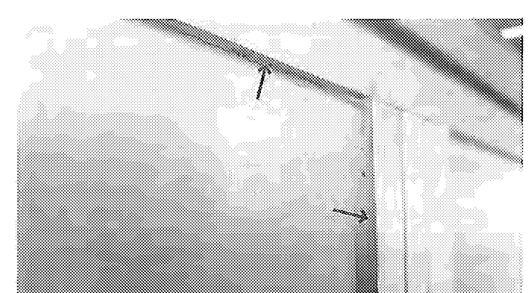
- VERTICAL CAULKING RUN
- HORIZONTAL CAULKING RUN



(1) PHOTO DETAIL



(2) PHOTO DETAIL



(2) 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

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. | HM2 |
| SHEET NO. | 2 OF 5 |

# 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.): [signature] | DATE/TIME: 8/11/16 | ANALYZED BY: Cel Alvarez | DATE/TIME: 8/11/16 10:00am | REMARKS: — |
| RECEIVED BY (SIGN.): | DATE/TIME: | ANALYZED BY: | DATE/TIME: | 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_00093312-00432

ED_004522_00093312-00433

# 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 | IH: Cel Alvarez | WEATHER: OVERCAST | Conditions: — |
| PBS Project No.: 41373.000 | SAMPLE MEDIA/ANALYTICAL METHOD: NIOSH 7400 PCM CASSETTE | TEMP: — | |
| Location: PCB ABATEMENT WINDOW PANELS | | R.H. — | |
| | | FIELD COUNT 100 | |
| RELINQUISHED BY (SIGN.): — | DATE/TIME: — | ANALYZED BY: | DATE/TIME: 8/11/16 1315 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-11-16 | 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_00093312-00434

# 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 | IH: Cel Alvarez | WEATHER: Sunny | Conditions: — |
| PBS Project No.: 41373.000 | SAMPLE MEDIA/ANALYTICAL METHOD: Niosh 7400 PCM CASSETTE | TEMP: 70 | |
| Location: Monroe WA | | R.H. — | |
| Windows Panels PCB Abatement | | FIELD COUNT 100 | |
| RELINQUISHED BY (SIGN.): — | DATE/TIME: — | ANALYZED BY: | DATE/TIME: 8/12/16 1210 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/12/16 | SV-15 | C | 1699 | Room 1 | 0/100 | 8:14 | 10:14 | 120 | 10 | 10 | 10 | 1200 | 6/100 | 0.002 |
| | SV-16 | C | 9508 | Room 2 | | 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 | 4/100 | 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

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

ilac-MRA

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_00093312-00437

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

**Batch #: 1615588.00**
Method: NIOSH 7400
Client Project #: 0761061
Date Received: 7/29/2016
Samples Received: 5
Samples Analyzed: 5

**Attention: Ms. Amani Moss**
Project Location: Sky Valley Education Center, 351 Short Columbia Street, Monroe, WA 98272

**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/mm$^2$ | 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/mm$^2$ | 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/mm$^2$ | 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/mm$^2$ | 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/mm$^2$)0.0 Micro. field area (mm$^2$) 0.00785 Effe. filtration area (mm$^2$) 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

**Batch #: 1615588.00**
Method: NIOSH 7400
Client Project #: 0761061
Date Received: 7/29/2016
Samples Received: 5
Samples Analyzed: 5

**Attention: Ms. Amani Moss**
Project Location: Sky Valley Education Center, 351 Short Columbia Street, Monroe, WA 98272

**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/mm$^2$ | 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/mm$^2$)0.0 Micro. field area (mm$^2$) 0.00785 Effe. filtration area (mm$^2$) 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

Lab Batch #:

Laboratory Address: 4708 Aurora Av N

Northstar Job #: 0761061

Project Manager: Amani Moss

Total Samples: 5

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: _____

| Seq. | Lab ID # | Northstar Sample Number | Comments | A/R |
|---|---|---|---|---|
| 1 | | SV 727-1 | TWA-1 | |
| 2 | | SV 727-2 | EX | |
| 3 | | SV 727-3 | TWA-2 | |
| 4 | | SV 728-1 | TWA | |
| 5 | | SV 728-2 | 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 Olson | [signature] | 7-29-16 | 11:00 |
| Relinquished By | [signature] | [signature] | 7-29-16 | 12:00 |
| Received By | [signature] | | 7/29/16 | 12:15 |
| Analyzed By | | | | |
| Results Faxed By | | | | |
| | | | | |

Special Instructions:

_____ Keep air samples longer than two weeks (call Project Manager for length of time)

Northstar

# AIR SAMPLING DATA SHEET 1615588

Sheet 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 | | | | |
| 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) |
| 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 | | | | |
| 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) |
| 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 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 # LF-1 | Serial # 151 38562 | 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 | | 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**



ED_004522_00093312-00442

NorthStar

# AIR SAMPLING DATA SHEET 1615588

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 / Pump No. | Name/Worker cert #/Soc. Sec #/tasks / Location/Description/Interferences | # emp. rep. | PPE worn / Controls | Time (24hr) / Total min | Flow Rate (lpm) | Sample vol. (liters) | LOD (F/cc) | Results (F/field) | Results (F/cc) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SV728-1 | TWA | BDXII / 13868 | Juan Fuentes 20170345 07A; caulk removal / Annex blg. Greenhouse | | HCV R HF, HE, ST / HV DV W | On 7:00; Off 10:00; 180 | Pre 2.4; Post 2.4; Avg 2.4 | | | | |
| SV728-2 | EX | BDXII / 13868 | Juan Fuentes 20170345 07A; caulk removal / Annex blg. - Greenhouse | | HCV R HF, HE, ST / HV DV W | On 10:00; Off 10:30; 30 | Pre 2.4; Post 2.4; Avg 2.4 | | | | |
| | | BDXII / 13868 | Juan Fuentes | | | On; Off; Total min | Pre; Post; Avg | | | | |

page 1 of 1

**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 # 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 | | 2016025946A | 12-30-16 | NorthStar | 7-29-16 |

AIHA Accreditation #_____ **FOR LAB USE ONLY** NVLAP Accreditation #_____

| Lab | Analyst name | Signature | Analysis date | Reviewer | Review date |
|---|---|---|---|---|---|
| | | | | | |

**Print clearly in blue or black ink**

ED_004522_00093312-00443

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

Phone: 206.547.0100 | Fax: 206.634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103

## 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 | [signature] | 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 | | | |

**NVL Laboratories, Inc.**
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p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

# 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: NVL
Lab Batch #:
Laboratory Address: 4708 AURORA AV 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-P1 | TWA1 - PCB | |
| 2 | | SV728-P2 | EX - PCB | |
| 3 | | SV728-P3 | TWA2 - PCB | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |

| | Print Name | Signature | Date | Time |
|---|---|---|---|---|
| Sampled By | JASON OLSON | [signature] | 7-29-16 | 11:00 |
| Relinquished By | [illegible] | [signature] | 7/29/16 | 12:10 |
| Received By | [illegible] | [signature] | 7/29/16 | 1215 |
| Analyzed By | Shalini Patel | [signature] | 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 20170269054 | | 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 | | | | |
| 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-P2 | EX | BDXII | caulk removal Noel Jimenez 20170269054 | | 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 | | | | |
| 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-P3 | TWA 2 | BDXII | caulk removal Noel Jimenez 20170269054 | | HCV HF HE ST RG | On 10:00 | Pre 2.4 | | | | |
| | | Pump No. 52434 | Location/Description/Interferences Pool 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

**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. Ower | Model # LF1 | 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 | | 2016025946A | 12-30-16 | Northstar | 7-29-16 |

AIHA Accreditation # NVLAP Accreditation #

**FOR LAB USE ONLY**

| Lab | Analyst name | Signature | Analysis date | Reviewer | |
|---|---|---|---|---|---|
| NVL | Chalini Patel | | 7-29-16 | | |

**Print clearly in blue or black ink**

1615586

# NorthStar Daily Field Report

| | | | | | |
|---|---|---|---|---|---|
| Project Name | Sky Valley Education Center | Project No. | 0761061 | Field Report No. | 1 |
| Address | 351 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**

Arrive on site 7:00 am.
crew size: 1 man hours =

Met with custodian + designated a lay down area for our tools equip. etc.
Using Annex bldg Room B.

Another Abatement contractor (walker) is still in process of tearing down + loading out of Annex + custodian wants to water scrub all the floors in hear. So I am limited to this Room B for now.

Recvd delivery + loaded everything into Room B.
Walked the job site w/prints + started marking out work areas while they are vacating areas near Room B.

Checked in everything on the order. Looks to be everything is here with some substitutions Like ~~[illegible]~~ 12 gal HEPA VAC, instead of eurovac, 8' ladder instead of 6' podium, etc.

Partially set up 1st containment
Locked up tools, turned out lights. Door Locked
Left site secured @ 3:30

| 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**

☐ 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 |
|---|---|---|
| | [signature] | |

# 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 Alvar | 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, poly-taped areas w/neg. air w/charcoal filters Room E, west E, G, Prep E. + 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 dwgs 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**

☐ 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 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**

Arrive on site 6:00 AM

Crew size 12. 1 guy 2 hrs late x 8 hours = 94

Pre task, stretch & flex.

Continue removing caulking. Annex bldg. Discovered a layer of caulking across the top of window frame where it meets the roof overhang. Discussed it w/ PBS rep. (Gil) & my superintendent & determined it best to remove it as well. It looks white, but after removing a piece of it, you can see it is gray like the rest of window caulking & painted over w/ white paint. Set up baker scaffold, laid poly drops & removed above all windows called out on survey. Treated the work as ACM removal with appropriate methods, PPE, & air monitoring.

Also the outside of window in prep room 5 had gray caulking. Removed that caulking in the same manner (as ACM) There is a wood panel in that window - the top pane) with gray caulk. PBS rep. had asked for that to be removed as well.

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

**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 dwgs 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 | Jason Olson | PM 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 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 12 — 8 hours = 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.

North Pod Bldg - inside work is mostly 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**

☐ 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 Jason Olson | PM |
|---|---|---|

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 | |

DATE: 7-26

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 | 104 | | 104 | |

DATE: 7-27-16

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 | | 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 |

DATE: 7-27-16

MAY

#

# 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 |

DATE: 7-28-16

NAV

#

# 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 | 49 | | 80 | |
| | | Clean Substrate With Tsp | LF | 4,585.00 | 152.83 | 3 | | 3 | |
| | | Load Out (Number Of Bags) | BAGS | 162.75 | 12.63 | ~~8~~ | 5 | | 10 |
| | | | | 9,332.75 | 820.47 | | | | |
| | | | | | | | | | |
| *Active Total* | | | | 89,571.75 | 1,346.89 | 96 | 5 | 280 | 10 |

| DATE: | 7-28-16 |
|---|---|

NAM

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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 |

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

| 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 | 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 |

| DATE: | 7-28-16 |
|---|---|

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 | ~~82~~ 376 | 17 |

# NorthStar Daily Field Report

| | | | | | |
|---|---|---|---|---|---|
| Project Name | Sky Valley Education Center | Project No. | 07661061 | 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 | Sasa Olsen | 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, x8 hours = 64 hours

Pre task stretch & flex.

Continue remove caulking in pod bldgs. Finish last 2 rooms in North pod & moving into West West Pod (center).

PBS consultant Greg walked through our completed areas & we failed every clearance.
I had the guys finish the rooms they were in then fall back & start final cleaning & detailing starting in room 14 & working back towards room 20.

Completed detail of rooms 14–17.
Also had 2 guys re clean the 4 enclosures in Annex bldg Rooms E & F.

We have to be better at scraping the caulk residue on metal frames & cleaning the enclosure inside back & front.

Re apply the TSP after final clean & detail.

Put away tools & equipment. Locked windows & doors in Annex & Pod bldgs. Some crew was still working the library when we left.

Left site locked & secured @ 2:30 – except library.

| 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 S. Olsen | PM 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 | Jesus Olsen | 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 my help removing the last little bits of caulk.

After arriving I tested out an enclosure + it seems to work very good.
The consultant had to leave so have to hit 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 dwgs 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 Dias | 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 18 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 hand 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 dwgs 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 | | |

**Notes**

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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. | 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**

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| Client Representative | Project Superintendent | PM |
|---|---|---|
| | Jason | Amani |

# NorthStar Daily Field Report

| | | | | | |
|---|---|---|---|---|---|
| Project Name | Sky Valley Education Center | Project No. | 0761061 | Field Report No. | 10 |
| Address | 351 Short Columbia Street | Date | 8-5-16 | Page | 1 of |
| City and County | Monroe Snohomish | Arrival Time | 6:00 | Departure Time | 2:30 |
| State / Zip | WA 98272 | Superintendent | Jason [illegible] | 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 10 x8 = 80 hrs

Finished + cleared - Pod Rooms 20-14
- Pod Rooms 13,12,11,9,8
" " 7,6,5,4

Began wrapping + removing light fixtures from Annex bldg.
Regulated area in hallway to stage the fixtures for load out on Monday.

Began prepping rooms in Admin. Bldg for window caulk removal next week
3 rooms completed - need to add neg air + decon stage.

Locked all doors + windows, turned off lights get everything locked up for the weekend

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 |
|---|---|---|
| | Jason | 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 Vert 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 | | |

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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. 15 |
| Address 351 Short Columbia St. | Date 8-12-16 | Page 1 of |
| City and County Monroe Snohomish | Arrival Time | Departure Time |
| 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 at 6:00 am

Stretch + Flex, Pre-Task

Crew size 10 x8 hrs = 80 hrs

Finish remove caulk on Exterior of pods.

Start remove caulk Exterior of Admin. Bldg.

Tried applying the required spec'd out sealant. Mixed the epoxy as directed + the batch solidified in 20 minutes

Coming up w/ new plan for application

2 guys processing lights all day

2 guys Remove caulk all day

4 workers prepping until 9:00 then
2 - remove caulk
2 - Repair containments, then 1 to Admin Bldg

1 - worker apply epoxy until 8:30 (w/ me).
then went to light tubes, then Admin caulk

Recvd Charcoal Filters

| 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. | 16 |
| Address | 1331 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 | Sam Olson | PM | Manni Mick |
| Client | Monroe School District | Client Contact Phone No. | | | |
| Client Contact | John Manning | Scheduled Completion | | Estimated Completion | |
| Subcontractor(s) | | Weather | Sunny - hot | | |

| Daily Log | Daily Assessment | Y | N |
|---|---|---|---|
| On site 6:00 AM | Air monitoring conducted | | |
| | Air monitoring data posted | | |
| Crew size 9 - 18 hrs = 72 hours | Permit(s) current | | |
| | Daily Pre-Task Completed | | |
| Stretch + Flex, Pre task. | Containment inspected | | |
| | PPE available/used | | |
| 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 + stored for processing. Bulbs put in barrels every thing 100% done. | 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 | | |
| | Project photos | | |
| 2 guys remaining caulk on Admin Exterior | Project specs on site | | |
| | Any damages noted | | |
| 2 workers setting up neg. airs in North pod + changing all the charcoal filters, ready for sealant application then they continued prepping the (East) south pod for paint - sealant. | Purchase requests | | |
| | Equipment requests | | |
| | Schedule change/impact | | |
| | Daily reports completed/faxed | | |
| | Client issues addressed | | |
| | Job site secured | | |
| Sealant arrived - the correct color, etc. Got a new metal can delivered. Recd delivery from warehouse w/more barrels. | T&M Work Performed | | |
| | Cleaned Water Cooler | | |
| After lunch, 1 worker prepping 2 workers painting, 2 removing light bulbs + fixtures, 3 remaining caulk on Admin Exterior. | | | |
| The pod 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 | | | |

Notes

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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. Cntr | Project No. | 07 61061 | Field Report No. | 18 |
| Address | 351 Short Columbia St | Date | 8-17-16 | 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 Masi |
| 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 8 hrs = 72 hrs

Stretch + flex, Pret ask.

3- workers removing caulk admin. bld. outside
2- workers painting sealant
2- workers remove lights + process until lunch
- set enclosure in home ec. room
- remove caulk 1-hour
1- worker tear down containment, relocate neg-air machines, remove masking + detail after sealant passed visual inspections

1- supervisor

| 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 6106 | Field Report No. | 19 |
| Address | 1391 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 Olsen | PM | Amani Mast |
| Client | Monroe School District | Client Contact Phone No. | | | |
| Client Contact | John Manwik | Scheduled Completion | | Estimated Completion | |
| Subcontractor(s) | | Weather | | | |

| Daily Log | Daily Assessment | Y | N |
|---|---|---|---|
| 6:00 on site, gate was open - not 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 - 1st coat - to the | Items of note documented | | |
| rest of the pods. | Consumables Inventory | | |
| | Project book on site | | |
| 2-workers moved our office/laydown area | Project dwgs on site | | |
| out of Annex Bldg. 2 worker cleaned out the Bldg. | Project photos | | |
| Except for new Nrs Oscillator/exhausting | 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 | | |
| He 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 | | | |

Notes

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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**

on site 6:00 AM

crew size 9 x 8 hrs = 72 hrs

stretch + flex, Pre task

3- remove caulk.
3- tear down
2- Paint Sealant
1- Supervisor

Finished caulk removal on exterior window on Admin Bldg.
Finished epoxy sealant on small gym.
Tear down enclosures in all pods.
+ Finished removing masking. Vacuum clean all work areas. Set up neg airs in East pod - to vent out the bldg.
Tear down enclosures in CTE, Locker Rooms + cafeteria. Remove + seal all neg. air.

Remove caulk on exterior, gym windows + columns on South side. 1 window left to do.

100% out of all pod bldgs.

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.

| 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. 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 sill

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 fashia,
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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☐ 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. | 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 hours hrs

Pre-task, stretch + flex.

2- workers consolidating on load out
- next they re-cleaned the walkway substrate on 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 are 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 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 Cntr | 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. Devin 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 dwgs 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 | | |

**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. 53 |
| Address 351 Short Columbia St | Date 9-8-16 | 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 crew size 2 x 10 hrs = 20 hrs

P/U truck @ warehouse to finish de-mob + load out.

Finish 2" epoxy app. in Admin Bldg before staff arrives. on interior window sill area

Touch up epoxy on Exterior Annex Bldg + Remove masking.

- Soil sample had failed on Annex, so we removed more soil from edge of Bldg. + loaded into barrels before Clean Harbors came for their pick-up.
- Six other areas showed detection in their wipe samples. I recleaned all six locations + used TSP solution to scrub the areas clean. Mopped the floor in small gym w/TSP.

Removed masking from Tech Bldg + North+west sides of gym bldg. Put the roof overhang back together we had removed to access the caulk in some locations.

Clean Harbors finally arrived at 12:45 - over 2.5 hours late. They weren't prepared to take our lead waste barrels. I put a call in to Amani + she got it resolved so they finally agreed to take all the HAZ. waste we had generated. The truck wouldn'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.

| 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. | 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 | | |

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| Client Representative | Project Superintendent | PM |
|---|---|---|

DATE: 9-1-16

#

# 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 | | | | |
| | | 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 | 1 (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 | | | |

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

| 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 | 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 | | | |

| DATE: | |
|---|---|

#

# 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 |
| *Grand Total* | | | | 89,571.75 | 1,346.89 | | | | |

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

| | | | | | 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 | 18 | | | |
| | | | | | 0.00 | 112.26 | | | | |
| | | | Misc. Set Up (Hrs) | EA | 5.00 | 5.00 | | | | |
| | | [illegible] | 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 | | | |

DATE: 9-2-16

#

# 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 | 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 Sealant | | 9,332.75 | 820.47 | 40 | | | |
| | | | | | | | | | |
| *Active Total* | | | | 89,571.75 | 1,346.89 | 48 | | | |

| 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 | | | | |

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 | 1 | | | |
| | | | 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 | | | |

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

| 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 | 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 | 152.83 | | | | |
| | | 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 | 72 | | | |

| DATE: | |
|---|---|

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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 | | | | |

DATE: 9-7-16

NAV

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# FIELD PRODUCTION REPORT

Job #761061-Sky Valley Education Center

DAILY HOURS & UNITS REMOVED

**Project Manager:** Amani Moss

**Field Supervisor:** 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 | | | |

DATE: 9-7-16

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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

| 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 | 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 | | | |

| DATE: | |
|---|---|

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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 |
| *Grand Total* | | | | 89,571.75 | 1,346.89 | | | | |

| DATE: | 9-8-16 |
|---|---|

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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

| 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 | 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 | 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 | | | |

| DATE: | |
|---|---|

#

# 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 |
| *Grand Total* | | | | 89,571.75 | 1,346.89 | | | | |

DATE: 9-9-16

#

# 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 | 542.20 | | | | |
| | | | | | | | | | | |
| | *Active Total* | | | | 14,359.00 | 664.45 | | | | |
| | *Grand Total* | | | | 14,359.00 | 664.45 | 10 | | | |



ED_004522_00093312-00512

# 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 + Pod 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 Areas |
| | 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 | Ugsvin Villatoro | [signature] |
| 2 | Noel Jimenez | [signature] | 12 | | |
| 3 | Kathy Shuler | Kathy Shufield | 13 | | |
| 4 | Arlin Evans | [signature] | 14 | | |
| 5 | Cico 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 | Susan Olson |
| Signature | |
| Task to be completed | Remove light fixtures set up poly enclosures |

**TASK STEPS**

1 Prep area, 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 | Susan Olson | |
| 2 | Hugo Sanzalo | |
| 3 | Noel Jimenez | |
| 4 | Ciro Soto | |
| 5 | Yasmin Villatoro | |
| 6 | Rosalio Baxa | |
| 7 | [illegible] | |
| 8 | Kathy Shuler | |
| 9 | Saint Timoteo | |
| 10 | | |

| | Print | Sign |
|---|---|---|
| 11 | | |
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| 18 | | |
| 19 | | |
| 20 | | |

# Northstar Daily Pre-Task Plan

| JOB / TASK INFO | |
|---|---|
| Project Name | Sky Valley Education Center |
| Project # | 0761061 |
| Today's Date | 8-30-16 |
| Project Supervisor | Jason Olson |
| Signature | [signature] |
| Task to be completed | Remove lead paint + covered walkway Demo. |

**TASK STEPS**

1 Prep work area - Demarcate
2 Scrape overhang surfaces
3 Demo 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 | | Print | Sign |
|---|---|---|---|---|---|
| 1 | Jason Olson | [signature] | 11 | Kathy Shufelt | Kathy Shufelt |
| 2 | Juan Gonzalez | [signature] | 12 | Zaiht Jimenez | [signature] |
| 3 | Aarvin Villatoro | [signature] | 13 | Joel Jimenez | [signature] |
| 4 | Juan Fuentes | [signature] | 14 | Daniel Cruz | Daniel Cruz |
| 5 | Jared Mankel | [signature] | 15 | | |
| 6 | Joe Gus | [signature] | 16 | | |
| 7 | Mike Armstrong | [signature] | 17 | | |
| 8 | Martin Maldonado | [signature] | 18 | | |
| 9 | Alfonso Valenzuela | [signature] | 19 | | |
| 10 | Rogelio Baxin | [signature] | 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 | 0 Jason Olson |
| Signature | [signature] |
| Task to be completed | Paint Epoxy, Scrape Loose + flaky lead paint on Fascia |

**TASK STEPS**

1 Prep work area - Regulate work area
2 Paint, remove paint
3 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 |
|---|---|---|
| 1 | Jason Olson | [signature] |
| 2 | [illegible] Rosalio [illegible] | [signature] |
| 3 | Martin Maldonado | [signature] |
| 4 | Alfonso Valenzuela | [signature] |
| 5 | Daniel Cruz | Daniel Cruz |
| 6 | Jared Markel | [signature] |
| 7 | Joe Gus | [signature] |
| 8 | Mike Armstrong | [signature] |
| 9 | Kathy Shufelt | Kathy Shufelt |
| 10 | | |

| | Print | Sign |
|---|---|---|
| 11 | | |
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| 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<br>Monroe, WA, 98272 | Job Address: | 351 Short Columbia Street<br>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<br>Monroe, WA, 98272 | Job Address: | 351 Short Columbia Street<br>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 000 026 371

# BILL OF LADING

№ 27730

WO# _____

☐ ALASKA
EPA ID # AKR 000 201 897
☐ OREGON
EPA ID # ORQ 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. #: CH1236745
Contact: Tom Phillips
Phone: 360-804-2577

**BILLING INFORMATION:**

Name: Northstar
Address: 8160 304th Av SE
City/State/Zip: Issaquah, WA 98027
Contact: Andy Moss
Phone: 425-881-0623
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: [signature] | Print Name: Jason 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: [signature] | Company: Northstar | Month 9 | Day 7 | Year 16

| MATERIAL | AMOUNT RECEIVED | AMOUNT PROCESSED | UNIT PRICE | EXTENDED PRICE | INITIALS |
|---|---|---|---|---|---|
| STRAIGHT LAMPS 4' | 6607# | | | | |
| 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#, 15#

*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. [signature] | Print Name: Sonny Veeren | Date Received: Month 9 | Day 7 | Year 16

WHITE & YELLOW - BILLING PINK - CONSOLIDATOR

ED_004522_00093312-00529

# 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**