Table 1.0 Summary of Aroclor, PCB-TEQ and Dioxin/Furan TEQ Analyses for Samples Collected from the Indoor Environment at the Sky Valley Education Center, Monroe, WA (Samples Collected on January 4, 2019 by Environmental Health & Engineering, Inc., Newton, MA)

| Field ID#[a] | Transmitted Sample ID#[b] | Analysis | Sample Type | Location | Description | Result[c] | Data Flags[d] | Analyte | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Library/Classroom Building** | | | | | | | | | |
| 184824 | 184824 | PCB | Bulk - Dust | Classroom #20 | Dust collected from face of filter in unit ventilator | <10 | U | Aroclor | µg/g |
| 184827 | 184827 | PCB | Bulk - Dust | Classroom #11 | Dust collected from face of filter in unit ventilator | <13 | U | Aroclor | µg/g |
| 184829 | 184829 | PCB | Bulk - Dust | Classroom #5 | Dust collected from face of filter in unit ventilator | 1.9 | J | A1254 | µg/g |
| 184831 | 184831 | PCB | Wipe | Classroom # 5 | Dust on black mastic material in unit ventilator | <0.5 | U | Aroclor | µg/100cm$^2$ |
| 184825 | 187061 | D/F | Bulk - Carpet | Classroom # 20 | Tan carpet remnant from inside unit ventilator | 66.9 | J, K | D/F TEQ | ng/Kg |
| 184825 | 187062 | PCB | Bulk - Carpet | Classroom # 20 | Tan carpet remnant from inside unit ventilator | 12 | P(A1248) | A1248 (6.8)<br>A1254 (5.5) | µg/g |
| 184828 | 187064 | PCB | Bulk - Carpet | Classroom #11 | Carpet remnant under wall, multi-colored | 4.2 | J(A1260) | A1254 (3.0)<br>A1260 (1.2) | µg/g |
| 184829 | 187065 | D/F | Bulk - Dust | Classroom #5 | Dust collected from face of filter in unit ventilator | 200 | J, K | D/F TEQ | ng/Kg |
| 184830 | 187066 | PCB | Bulk - Carpet | Classroom #5 | Tan carpet remnant from inside unit ventilator | 4.9 | P(A1248) | A1248 (2.4)<br>A1254 (2.5) | µg/g |
| 184830 | 187067 | D/F | Bulk - Carpet | Classroom #5 | Tan carpet remnant from inside unit ventilator | 128 | | D/F TEQ | ng/Kg |
| 184816 | 187072 | PCB | Bulk-Carpet | Classroom #10 | tan/beige carpet by outside door | 45<br>105<br>10.8 | <br>J<br>J,K | A1242<br>Homologs<br>PCB-TEQ | ug/g<br>ug/g<br>ng/Kg |
| 184816 | 187073 | D/F | Bulk-Carpet | Classroom #10 | tan/beige carpet by outside door | 17.9 | B,J,K,P | D/F TEQ | ng/Kg |
| 184817 | 187074 | PCB | Bulk-Carpet | East Pod, inner core | tan/beige carpet from inner core of pod | 1900<br>435<br>41.5 | <br>J<br>J,K | A1242<br>Homologs<br>PCB-TEQ | ug/g<br>ug/g<br>ng/Kg |
| 184817 | 187075 | D/F | Bulk-Carpet | East Pod, inner core | tan/beige carpet from inner core of pod | 19.5 | B,J,K | D/F TEQ | ng/Kg |
| 184818 | 187076 | PCB | Bulk-Carpet | Classroom #9 | tan/beige carpet by inner door | 57<br>149 | | A1242<br>PCB-TEQ | ug/g<br>ng/Kg |
| 184818 | 187077 | D/F | Bulk-Carpet | Classroom #9 | tan/beige carpet by inner door | 49.7 | J,K,E | D/F TEQ | ng/Kg |

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| Field ID#[a] | Transmitted Sample ID#[b] | Analysis | Sample Type | Location | Description | Result[c] | Data Flags[d] | Analyte | Units |
|---|---|---|---|---|---|---|---|---|---|
| 184819 | 187078 | PCB | Bulk-Carpet | Classroom #11 | tan/beige carpet by outside door | 320<br>80.4 | | A1242<br>PCB-TEQ | ug/g<br>ng/Kg |
| 184819 | 187079 | D/F | Bulk-Carpet | Classroom #11 | tan/beige carpet by outside door | 22.6 | J,K,E | D/F TEQ | ng/Kg |
| 184820 | 187080 | PCB | Bulk-Carpet | Classroom #10 | tan/beige carpet by desk | 32<br>16.0 | | A1242<br>PCB-TEQ | ug/g<br>ng/Kg |
| 184820 | 187081 | D/F | Bulk-Carpet | Classroom #10 | tan/beige carpet by desk | 19.3 | B,J,K | D/F TEQ | ng/Kg |
| 184821 | 187082 | PCB | Bulk-Carpet | Classroom #12 | tan/beige carpet by outside door | 53<br>24.5 | | A1242<br>PCB-TEQ | ug/g<br>ng/Kg |
| 184821 | 187083 | D/F | Bulk-Carpet | Classroom #12 | tan/beige carpet by outside door | 24.9 | J,K,E | D/F TEQ | ng/Kg |
| 184822 | 187084 | PCB | Bulk-Carpet | Classroom #12 | tan/beige carpet by inside door | 45<br>1.55 | | A1242<br>PCB-TEQ | ug/g<br>ng/Kg |
| 184822 | 187085 | D/F | Bulk-Carpet | Classroom #12 | tan/beige carpet by inside door | 14.6 | B,J,K,E | D/F TEQ | ng/Kg |
| 184822 | 187105 | D/F | Wipe | Classroom/Library Bldg Rm 12 | tan carpet, wipe of surface | 0.101 | B,J,K | D/F TEQ | pg |
| 184819 | 187106 | D/F | Wipe | Classroom/Library Bldg Rm 11 | tan carpet, wipe of surface | 0.129 | B,J,K | D/F TEQ | pg |
| 184818 | 187107 | D/F | Wipe | Classroom/Library Bldg Rm 9 | tan carpet, wipe of surface | 0.16 | B,J,K | D/F TEQ | pg |
| 184817 | 187116 | PCB | Bulk | Dust/dirt from tan carpet | Field ID 184817 | 660 | | A1016 | ug/g |
| 184819 | 187117 | PCB | Bulk | Dust/dirt from tan carpet | Field ID 184819 | 860 | | A1016 | ug/g |
| 184821 | 187118 | PCB | Bulk | Dust/dirt from tan carpet | Field ID 184821 | 190 | | A1016 | ug/g |
| 184817 | 187119 | PCB | Bulk | Tan carpet sample | Field ID 184817 | 170 | | A1016 | ug/g |
| 184818 | 187120 | PCB | Bulk | Tan carpet sample | Field ID 184818 | 180 | | A1016 | ug/g |
| 184819 | 187121 | PCB | Bulk | Tan carpet sample | Field ID 184819 | 90 | | A1232 | ug/g |
| 184822 | 187122 | PCB | Bulk | Tan carpet sample | Field ID 184822 | 750 | | A1232 | ug/g |
| 184834 | 184834 | D/F | Wipe | Classroom/Library bldg., common area, East Pod, outside Rm 8 & 12 | 100 cm2 template on top of file cabinet | 4.74 | B,J,K | D/F TEQ | pg |

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| Field ID#[a] | Transmitted Sample ID#[b] | Analysis | Sample Type | Location | Description | Result[c] | Data Flags[d] | Analyte | Units |
|---|---|---|---|---|---|---|---|---|---|
| 184824 | 187060 | D/F | Bulk - Dust | Classroom/Library bldg., Rm 20, U.V. | Dust from unit vent. - Field ID 184824 | 1330 | J,K | D/F TEQ | ng/Kg |
| 184827 | 187063 | D/F | Bulk-Dust | Classroom/Library bldg., Rm 11, U.V. | Dust from U.V. filter - Field ID 184827 | 1330 | J,K | D/F TEQ | ng/Kg |
| 184818 | 185136 | D/F | Bulk | Classroom #9 | inner door, sand/dirt/dust from carpet | 24.4 | J,K | D/F TEQ | ng/Kg |
| 184817 | 185137 | D/F | Bulk | East Pod, inner core | sand/dirt/dust from carpet | 6.32 | J,K | D/F TEQ | ng/Kg |
| 184819 | 185138 | D/F | Bulk | Classroom #11 | by outside door, sand/dirt/dust from carpet | 28.7 | J,K | D/F TEQ | ng/Kg |
| **Annex Building** | | | | | | | | | |
| 184844 & 184845[e] | 187056 | PCB | Bulk - Dust | Annex Building | Dust from inside cabinet heater in hall outside Room B | 24 | | A1242 (17) A1254 (6.8) | µg/g |
| 184844 & 184845[e] | 187057 | D/F | Bulk - Dust | Annex Building | Dust from inside cabinet heater in hall outside Room B | 523 | J, K | D/F TEQ | ng/Kg |
| 184846 | 187058 | PCB | Bulk - Dust | Annex Building | Dust from return/exhaust duct btwn Rms A and C | 3.7 | J | A1260 | µg/g |
| 184846 | 187059 | D/F | Bulk - Dust | Annex Building | Dust from return/exhaust duct btwn Rms A and C | 542 | J, K | D/F TEQ | ng/Kg |
| 184823 | 187070 | PCB | Bulk-Carpet | Annex Bldg Room D | carpet with ballast oil spill, duct tape covering spill area | 140000 | | A1242 | ug/g |
| 184823 | 185139 | PCB | Bulk | Tan/red carpet sample | Field ID 184823 | 7370 | | PCB TEQ | ng/Kg |
| 184823 | 187071 | D/F | Bulk-Carpet | Annex Bldg Room D | carpet with ballast oil spill, duct tape covering spill area | 693 | J,K | D/F TEQ | ng/Kg |
| 184823 | 187108 | D/F | Wipe | Annex Bldg., Room D | tan carpet, wipe of surface | 9.92 | B,J,K | D/F TEQ | pg |
| 184848 | 184848 | D/F | Wipe | Annex bldg., prep room btwn Rms A & C | Top of wooden cabinet on right - 100cm2 template | 0.708 | B,J,K | D/F TEQ | pg |
| **Gym Building** | | | | | | | | | |
| 184838 | 184838 | PCB | Wipe | Gym - Boy's Locker Rm | Black, soot-like material on ceiling, near toilet, 2nd strip | <0.31 | U | Aroclor | µg/100cm$^2$ |
| 184840 | 184840 | PCB | Wipe | Gym - Girl's Locker Rm | Black, soot-like material on ceiling, near entrance | <0.34 | U | Aroclor | µg/100cm$^2$ |

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| Field ID#[a] | Transmitted Sample ID#[b] | Analysis | Sample Type | Location | Description | Result[c] | Data Flags[d] | Analyte | Units |
|---|---|---|---|---|---|---|---|---|---|
| 184835 | 184835 | D/F | Wipe | Gym bldg., boy's locker room, ceiling wipe | Black soot-line residue on ceiling, near toilet (7.25"x3") | 0.24 | B,J,K | D/F TEQ | pg |
| 184843 | 184843 | D/F | Wipe | Gym bldg., girl's locker room, ceiling wipe | Black soot-like residue on ceiling, middle of room (5-3/8"x3.5") | 0.0416 | B,J,K | D/F TEQ | pg |
| **Transportation Shed** | | | | | | | | | |
| 184852 | 184852 | PCB | Bulk - Tar | Transportation Building Shed | Black tar-like material from lighting aluminum base plate | 180 | P(A1248) | A1242 (130) A1248 (49) | µg/g |
| 184852 | 187069 | D/F | Bulk - Tar | Transportation Building Shed | Black tar-like material from lighting aluminum base plate | 162 | J, K | D/F TEQ | ng/Kg |
| 184849 | 184849 | D/F | Bulk-Tar | Trans. Bldg Shed | Black, solid tar-like material on aluminum base plate | 311 | J,K | D/F TEQ | ng/Kg |
| 184582 | 187068 | D/F | Bulk-Tar | Trans. Bldg Shed | Black tar-like residue from aluminum base plate - Field ID 184852 | 295 | J,K | D/F TEQ | ng/Kg |
| **QC Samples (Blanks)** | | | | | | | | | |
| 187086 | 187086 | PCB | Media Blank | n.a. | Container blank | <0.5 | | Aroclor | ug |
| 187087 | 187087 | PCB | Media Blank | n.a. | Small container, black top, blank | <0.5 | | Aroclor | ug |
| 187088 | 187088 | PCB | Media Blank | n.a. | Large container, white top, blank | <0.5 | | Aroclor | ug |
| 184817 | 187097 | D/F | Wipe | Wipe of Knife Blade | After cleaning blade with alcohol wipe, cut sample of 184817 | 0.0369 | B,J,K | D/F TEQ | pg |
| 184817 | 187098 | PCB | Wipe | Wipe of Knife Blade | After cleaning blade with alcohol wipe, cut sample of 184817 – method blank | 0.52 | | A1016 | ug |
| 184823 | 187099 | D/F | Wipe | Wipe of Knife Blade | After cleaning blade with alcohol wipe, cut sample of 184823 | 0.0197 | B,J,K | D/F TEQ | pg |
| 184823 | 187100 | PCB | Wipe | Wipe of Knife Blade | After cleaning blade with alcohol wipe, cut sample of 184823 – method blank | 1.1 | | A1016 | ug |
| 187104 | 187104 | PCB | Wipe | Field Blank | n.a. | <0.5 | | Aroclor | ug |

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| Field ID#[a] | Transmitted Sample ID#[b] | Analysis | Sample Type | Location | Description | Result[c] | Data Flags[d] | Analyte | Units |
|---|---|---|---|---|---|---|---|---|---|
| 187109 | 187109 | D/F | Wipe | n.a. | field blank | 0.308 | B,J,K | D/F TEQ | pg |
| 187110 | 187110 | PCB | Wipe | Zefon dust collector nozzle, orange | Lab to wipe nozzle – media blank, used to collect duct samples by vacuum | <0.5 | | Aroclor | ug |
| 187111 | 187111 | D/F | Wipe | Zefon dust collector nozzle, orange | Lab to wipe nozzle – media blank, used to collect dust samples by vacuum | 0.00105 | J | D/F TEQ | pg |
| 187112 | 187112 | PCB | Wipe | Empty plastic sample container, U-Line | Clear container, white top, S-14487 1 oz – media blank | <0.5 | | Aroclor | ug |
| 187113 | 187113 | D/F | Wipe | Empty plastic sample container, U-Line | Clear container, white top, S-14487 1 oz – media blank | 0.063 | B,J,K | D/F TEQ | pg |
| 187114 | 187114 | PCB | Wipe | Forceps, sterile, Unomedical | In manufacturer's packaging – media blank, used to collect dust from U.V. filters | <0.5 | | Aroclor | ug |
| 187115 | 187115 | D/F | Wipe | Forceps, sterile, Unomedical | In manufacturer's packaging – media blank, used to collect dust from U.V. filters | 0.000588 | B,J,K | D/F TEQ | pg |
| 187124 | 187124 | D/F | Wipe | Media Blank - 8 oz glass w/ teflon lined lid | Wipe of interior glass jar, including lid | 3.37 | J,K,P | D/F TEQ | pg |
| 187125 | 187125 | D/F | Wipe | Media Blank - 8 oz glass w/ teflon lined lid | Wipe of interior glass jar, including lid | 0.11 | B,J,K | D/F TEQ | pg |
| 187126 | 187126 | D/F | Wipe | Media Blank - 8 oz glass w/ teflon lined lid | Wipe of interior glass jar, including lid | 0.114 | B,J | D/F TEQ | pg |

[a]Number assigned to the sample collected in the field at Sky Valley Education Center
[b]Number assigned to the sample transmitted to the laboratory. In some cases the sample was submitted under the Field ID#, in other cases the sample was split for dioxin/furan analysis and assigned a new number known as the Transmitted Sample ID# in this table.
[c]All samples analyzed for ALS Environmental Laboratories, Houston, TX. Aroclor analysis was conducted using EPA Method 8082 and included Arcolors A1016, A1221, A1232, A1242, A1248, A1254 and A1260. Dioxin/furan analysis was conducted using EPA Method 1613B.

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| Field ID#[a] | Transmitted Sample ID#[b] | Analysis | Sample Type | Location | Description | Result[c] | Data Flags[d] | Analyte | Units |
|---|---|---|---|---|---|---|---|---|---|

[d]Refer to laboratory reports for data qualifiers. A "U" flag indicates that no analytes in the sample were found above the method detection limit. A "J" flag indicates that one or more analytes were detected below the method reporting limit (above the detection limit but below the quantification limit). A "K" flag indicates the concentration for one or more dioxin/furan congeners in the sample are estimates as the ion abundance ratios for the primary and secondary ions are outside theoretical acceptance limits. A "P" flag indicates that one or more analytes had dual column results that differed by more than 40%.

[e]Two dust samples were collected from the same surface and composited for analysis to insure an adequate amount sample for the laboratory.

$cm^2$ square centimeter
D/F dioxin/furan
g gram
kg kilogram, or 1,000 grams
ng nanogram, or $1x10^{-9}$ grams
TEF Toxic Equivalent Factor
TEQ Toxic Equivalency, calculated by the laboratory based on measured levels of target dioxin/furan congeners and applying the TEFs from WHO (2005)
µg micrograms, or $1x10^{-6}$ grams
ng/kg nanograms of analyte per kilogram of sample, or parts per trillion (ppt)
µg/g micrograms of analyte per gram of sample, or parts per million (ppm)
WHO World Health Organization
"<" less than the method detection limit (MDL)