# United States Environmental Protection Agency
## Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

**Date:** 8/3/2017

**Subject:** Analytical Testing Results - Project R17R01
SDG: 17194A

**From:** Peter Husby, Director
EPA Region 9 Laboratory
EMD-3-1

**To:** Sara Ziff
Land Division, Corrective Action Section
LND-4-1

Attached are the results from the analysis of samples from the **Riverside Agricultural Park FY2017 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Jack Berges, the Lab Project Manager at (510)412-2300.

Electronic CC: Greg Neal, DTSC

**Analyses included in this report:**

| | |
|---|---|
| PCB Aroclors by GC/ECD | PCB Aroclors by GC/ECD |
| Percent Solids | |

United States Environmental Protection Agency
# Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

| | | | | | |
|---|---|---|---|---|---|
| **Project Manager:** | Sara Ziff | **Land Division, Corrective Action Section** | | **SDG:** | 17194A |
| **Project Number:** | R17R01 | **75 Hawthorne Street** | | **Reported:** | 08/03/17 14:37 |
| **Project:** | Riverside Agricultural Park FY2017 Sampling | **San Francisco CA, 94105** | | | |

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| Ex. 6 Personal Privacy (PP) | 1707020-01 | Soil | 07/06/17 13:38 | 07/12/17 04:15 |
| | 1707020-02 | Soil | 07/07/17 09:05 | 07/12/17 04:15 |
| | 1707020-03 | Soil | 07/10/17 13:04 | 07/12/17 04:15 |
| | 1707020-04 | Soil | 07/05/17 13:45 | 07/12/17 04:15 |
| | 1707020-05 | Soil | 07/10/17 10:58 | 07/12/17 04:15 |
| | 1707020-06 | Soil | 07/05/17 09:20 | 07/12/17 04:15 |
| | 1707020-07 | Soil | 07/10/17 09:56 | 07/12/17 04:15 |
| | 1707020-08 | Soil | 07/10/17 09:01 | 07/12/17 04:15 |
| | 1707020-09 | Soil | 07/11/17 08:58 | 07/12/17 04:15 |
| | 1707020-10 | Soil | 07/11/17 13:30 | 07/12/17 04:15 |
| | 1707020-11 | Soil | 07/11/17 13:47 | 07/12/17 04:15 |
| | 1707020-12 | Soil | 07/11/17 10:48 | 07/12/17 04:15 |
| | 1707020-13 | Soil | 07/11/17 10:31 | 07/12/17 04:15 |

**Work Order 1707020**

Samples appear to contain multiple Aroclors. Based on pattern identification, Aroclor 1260 was reported as the most predominate to avoid potential double reporting due to the overlap in the Aroclor patterns. There is strong evidence that other degraded Aroclors (i.e. 1248, 1254) are also present, but these could not be reasonably verified or separated.

In sample 1707020-10, the quantitative results from the primary and confirmatory analyses of Aroclor 1260 did not meet laboratory quality control limits of relative percent difference of less than 40 percent. Identification of the analyte is by pattern match. The result reported represents the lower value of the primary and confirmatory analyses.

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| **Project Manager:** | Sara Ziff | **Land Division, Corrective Action Section** | **SDG:** 17194A |
| **Project Number:** | R17R01 | **75 Hawthorne Street** | **Reported:** 08/03/17 14:37 |
| **Project:** | Riverside Agricultural Park FY2017 Sampling | **San Francisco CA, 94105** | |

## Sample Results

| Analyte | Reanalysis / Extract | Result | Qualifiers / Comments | Quantitation Limit | Units | Batch | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Lab ID: 1707020-01** | | | | | | | | | **Soil - Sampled: 07/06/17 13:38** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor 1016 | | ND | U | 15 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1221 | | ND | U | 32 | " | " | " | " | 8082A |
| Aroclor 1232 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor 1242 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor 1248 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor 1254 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor 1260 | | 9.5 | C1, J | 15 | " | " | " | " | 8082A |
| Aroclor 1262 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor 1268 | | ND | U | 15 | " | " | " | " | 8082A |
| *Surrogate: Tetrachloro-m-xylene* | | | 75 % | *20-140%* | | " | " | " | |
| *Surrogate: Decachlorobiphenyl* | | | 63 % | *20-125%* | | " | " | " | |
| **Sample ID: RN17-5-SSEPA** | | | | | | | | | **Conventional Chemistry Parameters by APHA/EPA Methods** |
| % Solids | | 84 | | 1 | % | B17G104 | 07/25/17 | 07/26/17 | 3550C |
| **Lab ID: 1707020-02** | | | | | | | | | **Soil - Sampled: 07/07/17 09:05** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor 1016 | | ND | U | 13 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1221 | | ND | U | 28 | " | " | " | " | 8082A |
| Aroclor 1232 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1242 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1248 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1254 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor-1260 | | 180 | | 13 | " | " | " | " | 8082A |
| Aroclor 1262 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1268 | | ND | U | 13 | " | " | " | " | 8082A |
| *Surrogate: Tetrachloro-m-xylene* | | | 76 % | *20-140%* | | " | " | " | |
| *Surrogate: Decachlorobiphenyl* | | | 67 % | *20-125%* | | " | " | " | |
| **Sample ID: RN14-5-SSEPA** | | | | | | | | | **Conventional Chemistry Parameters by APHA/EPA Methods** |
| % Solids | | 98 | | 1 | % | B17G104 | 07/25/17 | 07/26/17 | 3550C |
| **Lab ID: 1707020-03** | | | | | | | | | **Soil - Sampled: 07/10/17 13:04** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor 1016 | | ND | U | 14 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1221 | | ND | U | 29 | " | " | " | " | 8082A |
| Aroclor 1232 | | ND | U | 14 | " | " | " | " | 8082A |
| Aroclor 1242 | | ND | U | 14 | " | " | " | " | 8082A |
| Aroclor 1248 | | ND | U | 14 | " | " | " | " | 8082A |
| Aroclor 1254 | | ND | U | 14 | " | " | " | " | 8082A |
| Aroclor 1260 | | 8.2 | C1, J | 14 | " | " | " | " | 8082A |

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|---|---|---|---|
| **Project Manager:** | Sara Ziff | **Land Division, Corrective Action Section** | **SDG:** 17194A |
| **Project Number:** | R17R01 | **75 Hawthorne Street** | **Reported:** 08/03/17 14:37 |
| **Project:** | Riverside Agricultural Park FY2017 Sampling | **San Francisco CA, 94105** | |

## Sample Results

| Analyte | Reanalysis / Extract | Result | Qualifiers / Comments | Quantitation Limit | Units | Batch | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Lab ID: 1707020-03** | | | | | | | | | **Soil - Sampled: 07/10/17 13:04** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor 1262 | | ND | U | 14 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1268 | | ND | U | 14 | " | " | " | " | 8082A |
| *Surrogate: Tetrachloro-m-xylene* | | | 77 % | *20-140%* | | " | " | " | |
| *Surrogate: Decachlorobiphenyl* | | | 68 % | *20-125%* | | " | " | " | |
| **Sample ID: RN19-5-SSEPA** | | | | | | | | | **Conventional Chemistry Parameters by APHA/EPA Methods** |
| % Solids | | 94 | | 1 | % | B17G104 | 07/25/17 | 07/26/17 | 3550C |
| **Lab ID: 1707020-04** | | | | | | | | | **Soil - Sampled: 07/05/17 13:45** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor 1016 | | ND | U | 17 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1221 | | ND | U | 35 | " | " | " | " | 8082A |
| Aroclor 1232 | | ND | U | 17 | " | " | " | " | 8082A |
| Aroclor 1242 | | ND | U | 17 | " | " | " | " | 8082A |
| Aroclor 1248 | | ND | U | 17 | " | " | " | " | 8082A |
| Aroclor 1254 | | ND | U | 17 | " | " | " | " | 8082A |
| Aroclor 1260 | | ND | U | 17 | " | " | " | " | 8082A |
| Aroclor 1262 | | ND | U | 17 | " | " | " | " | 8082A |
| Aroclor 1268 | | ND | U | 17 | " | " | " | " | 8082A |
| *Surrogate: Tetrachloro-m-xylene* | | | 74 % | *20-140%* | | " | " | " | |
| *Surrogate: Decachlorobiphenyl* | | | 58 % | *20-125%* | | " | " | " | |
| **Sample ID: RN30-5-SSEPA** | | | | | | | | | **Conventional Chemistry Parameters by APHA/EPA Methods** |
| % Solids | | 76 | | 1 | % | B17G104 | 07/25/17 | 07/26/17 | 3550C |
| **Lab ID: 1707020-05** | | | | | | | | | **Soil - Sampled: 07/10/17 10:58** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor 1016 | | ND | U | 15 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1221 | | ND | U | 31 | " | " | " | " | 8082A |
| Aroclor 1232 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor 1242 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor 1248 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor 1254 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor-1260 | | 12 | C1, J | 15 | " | " | " | " | 8082A |
| Aroclor 1262 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor 1268 | | ND | U | 15 | " | " | " | " | 8082A |
| *Surrogate: Tetrachloro-m-xylene* | | | 74 % | *20-140%* | | " | " | " | |
| *Surrogate: Decachlorobiphenyl* | | | 60 % | *20-125%* | | " | " | " | |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Conventional Chemistry Parameters by APHA/EPA Methods** |
| % Solids | | 87 | | 1 | % | B17G104 | 07/25/17 | 07/26/17 | 3550C |

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| **Project Manager:** | Sara Ziff | **Land Division, Corrective Action Section** | **SDG:** 17194A |
| **Project Number:** | R17R01 | **75 Hawthorne Street** | **Reported:** 08/03/17 14:37 |
| **Project:** | Riverside Agricultural Park FY2017 Sampling | **San Francisco CA, 94105** | |

## Sample Results

| Analyte | Reanalysis / Extract | Result | Qualifiers / Comments | Quantitation Limit | Units | Batch | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Lab ID: 1707020-06** | | | | | | | | | **Soil - Sampled: 07/05/17 09:20** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor 1016 | | ND | U | 13 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1221 | | ND | U | 27 | " | " | " | " | 8082A |
| Aroclor 1232 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1242 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1248 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1254 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor-1260 | | 6.9 | C1, J | 13 | " | " | " | " | 8082A |
| Aroclor 1262 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1268 | | ND | U | 13 | " | " | " | " | 8082A |
| *Surrogate: Tetrachloro-m-xylene* | | | 77 % | *20-140%* | | " | " | " | |
| *Surrogate: Decachlorobiphenyl* | | | 64 % | *20-125%* | | " | " | " | |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Conventional Chemistry Parameters by APHA/EPA Methods** |
| % Solids | | 98 | | 1 | % | B17G104 | 07/25/17 | 07/26/17 | 3550C |
| **Lab ID: 1707020-07** | | | | | | | | | **Soil - Sampled: 07/10/17 09:56** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor 1016 | | ND | U | 17 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1221 | | ND | U | 35 | " | " | " | " | 8082A |
| Aroclor 1232 | | ND | U | 17 | " | " | " | " | 8082A |
| Aroclor 1242 | | ND | U | 17 | " | " | " | " | 8082A |
| Aroclor 1248 | | ND | U | 17 | " | " | " | " | 8082A |
| Aroclor 1254 | | ND | U | 17 | " | " | " | " | 8082A |
| Aroclor 1260 | | ND | U | 17 | " | " | " | " | 8082A |
| Aroclor 1262 | | ND | U | 17 | " | " | " | " | 8082A |
| Aroclor 1268 | | ND | U | 17 | " | " | " | " | 8082A |
| *Surrogate: Tetrachloro-m-xylene* | | | 75 % | *20-140%* | | " | " | " | |
| *Surrogate: Decachlorobiphenyl* | | | 61 % | *20-125%* | | " | " | " | |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Conventional Chemistry Parameters by APHA/EPA Methods** |
| % Solids | | 78 | | 1 | % | B17G104 | 07/25/17 | 07/26/17 | 3550C |
| **Lab ID: 1707020-08** | | | | | | | | | **Soil - Sampled: 07/10/17 09:01** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor 1016 | | ND | U | 13 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1221 | | ND | U | 28 | " | " | " | " | 8082A |
| Aroclor 1232 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1242 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1248 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1254 | | ND | U | 13 | " | " | " | " | 8082A |



ED_005263_00003138-00005

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|---|---|---|---|
| **Project Manager:** | Sara Ziff | **Land Division, Corrective Action Section** | **SDG:** 17194A |
| **Project Number:** | R17R01 | **75 Hawthorne Street** | **Reported:** 08/03/17 14:37 |
| **Project:** | Riverside Agricultural Park FY2017 Sampling | **San Francisco CA, 94105** | |

## Sample Results

| Analyte | Reanalysis / Extract | Result | Qualifiers / Comments | Quantitation Limit | Units | Batch | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Lab ID: 1707020-08** | | | | | | | | | **Soil - Sampled: 07/10/17 09:01** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor-1260 | | ND | U | 13 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1262 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1268 | | ND | U | 13 | " | " | " | " | 8082A |
| *Surrogate: Tetrachloro-m-xylene* | | | 75 % | *20-140%* | | " | " | " | |
| *Surrogate: Decachlorobiphenyl* | | | 61 % | *20-125%* | | " | " | " | |
| **Sample ID: RN26-5-SSEPA** | | | | | | | | | **Conventional Chemistry Parameters by APHA/EPA Methods** |
| % Solids | | 97 | | 1 | % | B17G104 | 07/25/17 | 07/26/17 | 3550C |
| **Lab ID: 1707020-09** | | | | | | | | | **Soil - Sampled: 07/11/17 08:58** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor 1016 | | ND | U | 14 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1221 | | ND | U | 28 | " | " | " | " | 8082A |
| Aroclor 1232 | | ND | U | 14 | " | " | " | " | 8082A |
| Aroclor 1242 | | ND | U | 14 | " | " | " | " | 8082A |
| Aroclor 1248 | | ND | U | 14 | " | " | " | " | 8082A |
| Aroclor 1254 | | ND | U | 14 | " | " | " | " | 8082A |
| Aroclor-1260 | | 10 | C1, J | 14 | " | " | " | " | 8082A |
| Aroclor 1262 | | ND | U | 14 | " | " | " | " | 8082A |
| Aroclor 1268 | | ND | U | 14 | " | " | " | " | 8082A |
| *Surrogate: Tetrachloro-m-xylene* | | | 75 % | *20-140%* | | " | " | " | |
| *Surrogate: Decachlorobiphenyl* | | | 59 % | *20-125%* | | " | " | " | |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Conventional Chemistry Parameters by APHA/EPA Methods** |
| % Solids | | 96 | | 1 | % | B17G104 | 07/25/17 | 07/26/17 | 3550C |
| **Lab ID: 1707020-10** | | | | | | | | | **Soil - Sampled: 07/11/17 13:30** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor 1016 | | ND | U | 13 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1221 | | ND | U | 28 | " | " | " | " | 8082A |
| Aroclor 1232 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1242 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1248 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1254 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor-1260 | | 41 | G1, J | 13 | " | " | " | " | 8082A |
| Aroclor 1262 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1268 | | ND | U | 13 | " | " | " | " | 8082A |
| *Surrogate: Tetrachloro-m-xylene* | | | 73 % | *20-140%* | | " | " | " | |
| *Surrogate: Decachlorobiphenyl* | | | 66 % | *20-125%* | | " | " | " | |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Conventional Chemistry Parameters by APHA/EPA Methods** |



ED_005263_00003138-00006

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| **Project Number:** | R17R01 | **75 Hawthorne Street** | **Reported:** 08/03/17 14:37 |
| **Project:** | Riverside Agricultural Park FY2017 Sampling | **San Francisco CA, 94105** | |

## Sample Results

| Analyte | Reanalysis / Extract | Result | Qualifiers / Comments | Quantitation Limit | Units | Batch | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Lab ID: 1707020-10** | | | | | | | | | **Soil - Sampled: 07/11/17 13:30** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Conventional Chemistry Parameters by APHA/EPA Methods** |
| % Solids | | 97 | | 1 | % | B17G104 | 07/25/17 | 07/26/17 | 3550C |
| **Lab ID: 1707020-11** | | | | | | | | | **Soil - Sampled: 07/11/17 13:47** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor 1016 | | ND | U | 15 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1221 | | ND | U | 30 | " | " | " | " | 8082A |
| Aroclor 1232 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor 1242 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor 1248 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor 1254 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor 1260 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor 1262 | | ND | U | 15 | " | " | " | " | 8082A |
| Aroclor 1268 | | ND | U | 15 | " | " | " | " | 8082A |
| *Surrogate: Tetrachloro-m-xylene* | | | 75 % | *20-140%* | | " | " | " | |
| *Surrogate: Decachlorobiphenyl* | | | 69 % | *20-125%* | | " | " | " | |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Conventional Chemistry Parameters by APHA/EPA Methods** |
| % Solids | | 90 | | 1 | % | B17G104 | 07/25/17 | 07/26/17 | 3550C |
| **Lab ID: 1707020-12** | | | | | | | | | **Soil - Sampled: 07/11/17 10:48** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor 1016 | | ND | U | 14 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1221 | | ND | U | 30 | " | " | " | " | 8082A |
| Aroclor 1232 | | ND | U | 14 | " | " | " | " | 8082A |
| Aroclor 1242 | | ND | U | 14 | " | " | " | " | 8082A |
| Aroclor 1248 | | ND | U | 14 | " | " | " | " | 8082A |
| Aroclor 1254 | | ND | U | 14 | " | " | " | " | 8082A |
| Aroclor 1260 | | 14 | C1, J | 14 | " | " | " | " | 8082A |
| Aroclor 1262 | | ND | U | 14 | " | " | " | " | 8082A |
| Aroclor 1268 | | ND | U | 14 | " | " | " | " | 8082A |
| *Surrogate: Tetrachloro-m-xylene* | | | 75 % | *20-140%* | | " | " | " | |
| *Surrogate: Decachlorobiphenyl* | | | 70 % | *20-125%* | | " | " | " | |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Conventional Chemistry Parameters by APHA/EPA Methods** |
| % Solids | | 90 | | 1 | % | B17G104 | 07/25/17 | 07/26/17 | 3550C |
| **Lab ID: 1707020-13** | | | | | | | | | **Soil - Sampled: 07/11/17 10:31** |
| **Sample ID:** Ex. 6 Personal Privacy (PP) | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor 1016 | | ND | U | 13 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1221 | | ND | U | 28 | " | " | " | " | 8082A |
| Aroclor 1232 | | ND | U | 13 | " | " | " | " | 8082A |

United States Environmental Protection Agency
# Region 9 Laboratory
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Phone:(510) 412-2300 Fax:(510) 412-2302

| | | | |
|---|---|---|---|
| **Project Manager:** | Sara Ziff | **Land Division, Corrective Action Section** | **SDG:** 17194A |
| **Project Number:** | R17R01 | **75 Hawthorne Street** | **Reported:** 08/03/17 14:37 |
| **Project:** | Riverside Agricultural Park FY2017 Sampling | **San Francisco CA, 94105** | |

## Sample Results

| Analyte | Reanalysis / Extract | Result | Qualifiers / Comments | Quantitation Limit | Units | Batch | Prepared | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Lab ID:** | **1707020-13** | | | | | | | | **Soil - Sampled: 07/11/17 10:31** |
| **Sample ID:** | Ex. 6 Personal Privacy (PP) | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A** |
| Aroclor 1242 | | ND | U | 13 | ug/kg dry | B17G064 | 07/17/17 | 07/24/17 | 8082A |
| Aroclor 1248 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1254 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor-1260 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1262 | | ND | U | 13 | " | " | " | " | 8082A |
| Aroclor 1268 | | ND | U | 13 | " | " | " | " | 8082A |
| *Surrogate: Tetrachloro-m-xylene* | | 76 % | | *20-140%* | | " | " | " | |
| *Surrogate: Decachlorobiphenyl* | | 59 % | | *20-125%* | | " | " | " | |
| **Sample ID:** | Ex. 6 Personal Privacy (PP) | | | | | | | | **Conventional Chemistry Parameters by APHA/EPA Methods** |
| % Solids | | 98 | | 1 | % | B17G104 | 07/25/17 | 07/26/17 | 3550C |

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| **Project:** Riverside Agricultural Park FY2017 Sampling | **San Francisco CA, 94105** | |

## Quality Control

| Analyte | Result | Qualifiers / Comments | Quantitation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B17G064 - Soxhlet Extraction - PCBs** | | | | | | | | | **Prepared: 07/17/17 Analyzed: 07/24/17** | |
| | | | | | | | | | **Polychlorinated Biphenyls by EPA Method 8082A - Quality Control** | |
| **Blank (B17G064-BLK1)** | | | | | | | | | | |
| Aroclor 1016 | ND | U | 13 | ug/kg wet | | | | | | |
| Aroclor 1221 | ND | U | 27 | " | | | | | | |
| Aroclor 1232 | ND | U | 13 | " | | | | | | |
| Aroclor 1242 | ND | U | 13 | " | | | | | | |
| Aroclor 1248 | ND | U | 13 | " | | | | | | |
| Aroclor 1254 | ND | U | 13 | " | | | | | | |
| Aroclor 1260 | ND | U | 13 | " | | | | | | |
| Aroclor 1262 | ND | U | 13 | " | | | | | | |
| Aroclor 1268 | ND | U | 13 | " | | | | | | |
| *Surrogate: Tetrachloro-m-xylene* | *9.56* | | | *"* | *13.3* | | 72 | *20-140* | | |
| *Surrogate: Decachlorobiphenyl* | *9.08* | | | *"* | *13.3* | | 68 | *20-125* | | |
| **LCS (B17G064-BS1)** | | | | | | | | | | |
| Aroclor-1016 | 56.7 | | 13 | ug/kg wet | 66.7 | | 85 | 62-111 | | |
| Aroclor-1260 | 57.3 | | 13 | " | 66.7 | | 86 | 56-124 | | |
| *Surrogate: Tetrachloro-m-xylene* | *10.2* | | | *"* | *13.3* | | 77 | *20-140* | | |
| *Surrogate: Decachlorobiphenyl* | *9.26* | | | *"* | *13.3* | | 69 | *20-125* | | |
| **Matrix Spike (B17G064-MS1)** | | **Source: 1707020-06** | | | | | | | | |
| Aroclor-1016 | 60.6 | | 13 | ug/kg dry | 69.0 | ND | 88 | 20-134 | | |
| Aroclor-1260 | 68.1 | | 13 | " | 69.0 | 6.87 | 89 | 20-139 | | |
| *Surrogate: Tetrachloro-m-xylene* | *10.0* | | | *"* | *13.8* | | 73 | *20-140* | | |
| *Surrogate: Decachlorobiphenyl* | *8.20* | | | *"* | *13.8* | | 59 | *20-125* | | |
| **Matrix Spike Dup (B17G064-MSD1)** | | **Source: 1707020-06** | | | | | | | | |
| Aroclor-1016 | 65 | | 13 | ug/kg dry | 68.9 | ND | 94 | 20-134 | 7 | 20 |
| Aroclor-1260 | 71.3 | | 13 | " | 68.9 | 6.87 | 94 | 20-139 | 5 | 20 |
| *Surrogate: Tetrachloro-m-xylene* | *10.6* | | | *"* | *13.8* | | 77 | *20-140* | | |
| *Surrogate: Decachlorobiphenyl* | *8.51* | | | *"* | *13.8* | | 62 | *20-125* | | |
| **Batch B17G104 - Solids, Dry Weight (Prep) - Solids, Dry Weight** | | | | | | | | | **Prepared: 07/25/17 Analyzed: 07/26/17** | |
| | | | | | | | | | **Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control** | |
| **Blank (B17G104-BLK1)** | | | | | | | | | | |
| % Solids | ND | U | 1 | % | | | | | | |
| **Duplicate (B17G104-DUP1)** | | **Source: 1707020-13** | | | | | | | | |
| % Solids | 98 | | 1 | % | | 98 | | | 0.07 | 20 |

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## Qualifiers and Comments

J The reported result for this analyte should be considered an estimated value.

G1 The results from the two columns for this compound do not meet the dual column percent difference criteria for positive identification.

C1 The reported concentration for this analyte is below the quantitation limit.

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.