284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922



# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1889 | **OrderDate:** | 4/25/2025 11:06:00 AM |
| **Client:** | Kleinfelder | **Project:** | Mitchell School |
| **Contact:** | Mark Warchol | **Location:** | L51,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1889-01** | **COMP-1** | **SOIL** | | | **04/24/25** | | | **04/25/25** |
| | | | PESTICIDE Group1 | 8081B | | 04/28/25 | 04/28/25 | |
| **Q1889-02** | **COMP-2** | **SOIL** | | | **04/24/25** | | | **04/25/25** |
| | | | PESTICIDE Group1 | 8081B | | 04/28/25 | 04/28/25 | |
| **Q1889-03** | **COMP-3** | **SOIL** | | | **04/24/25** | | | **04/25/25** |
| | | | PESTICIDE Group1 | 8081B | | 04/28/25 | 04/28/25 | |

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# Hit Summary Sheet
## SW-846

**SDG No.:** Q1889 **Order ID:** Q1889

**Client:** Kleinfelder **Project ID:** Mitchell School

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|

**Client ID :**

**Total Concentration:** 0.000

# SAMPLE DATA

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | 04/24/25 |
| Project: | Mitchell School | Date Received: | 04/25/25 |
| Client Sample ID: | COMP-1 | SDG No.: | Q1889 |
| Lab Sample ID: | Q1889-01 | Matrix: | SOIL |
| Analytical Method: | SW8081 | % Solid: | 82.5 Decanted: |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PESTICIDE Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL095443.D | 1 | 04/28/25 09:05 | 04/28/25 17:08 | PB167766 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 309-00-2 | Aldrin | 0.15 | U | 0.15 | 2.10 | ug/kg |
| 60-57-1 | Dieldrin | 0.17 | U | 0.17 | 2.10 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.17 | U | 0.17 | 2.10 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.18 | U | 0.18 | 2.10 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.17 | U | 0.17 | 2.10 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 18.7 | | 20 - 144 | 94% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 18.9 | | 19 - 148 | 95% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | 04/24/25 |
| Project: | Mitchell School | Date Received: | 04/25/25 |
| Client Sample ID: | COMP-2 | SDG No.: | Q1889 |
| Lab Sample ID: | Q1889-02 | Matrix: | SOIL |
| Analytical Method: | SW8081 | % Solid: | 80.5 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PESTICIDE Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL095446.D | 1 | 04/28/25 09:05 | 04/28/25 17:49 | PB167766 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 309-00-2 | Aldrin | 0.15 | U | 0.15 | 2.10 | ug/kg |
| 60-57-1 | Dieldrin | 0.17 | U | 0.17 | 2.10 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.17 | U | 0.17 | 2.10 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.19 | U | 0.19 | 2.10 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.17 | U | 0.17 | 2.10 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 20.1 | | 20 - 144 | 101% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 20.4 | | 19 - 148 | 102% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | 04/24/25 |
| Project: | Mitchell School | Date Received: | 04/25/25 |
| Client Sample ID: | COMP-3 | SDG No.: | Q1889 |
| Lab Sample ID: | Q1889-03 | Matrix: | SOIL |
| Analytical Method: | SW8081 | % Solid: | 80.7 Decanted: |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PESTICIDE Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL095447.D | 1 | 04/28/25 09:05 | 04/28/25 18:03 | PB167766 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 309-00-2 | Aldrin | 0.15 | U | 0.15 | 2.10 | ug/kg |
| 60-57-1 | Dieldrin | 0.17 | U | 0.17 | 2.10 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.17 | U | 0.17 | 2.10 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.19 | U | 0.19 | 2.10 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.17 | U | 0.17 | 2.10 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 21.9 | | 20 - 144 | 110% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 20.5 | | 19 - 148 | 103% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

# QC SUMMARY

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## Surrogate Summary

**SDG No.:** Q1889

**Client:** Kleinfelder

**Analytical Method:** 8081B

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PL095326.D | PIBLK-PL095326.D | Decachlorobiphenyl | 1 | 20 | 18.9 | 94 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 1 | 20 | 17.3 | 87 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 18.2 | 91 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 17.1 | 86 | | 77 | 126 |
| I.BLK-PL095438.D | PIBLK-PL095438.D | Decachlorobiphenyl | 1 | 20 | 22.9 | 114 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 1 | 20 | 18.6 | 93 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 21.7 | 109 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 17.7 | 89 | | 77 | 126 |
| PB167766BS | PB167766BS | Decachlorobiphenyl | 1 | 20 | 23.6 | 118 | | 20 | 144 |
| | | Tetrachloro-m-xylene | 1 | 20 | 20.7 | 104 | | 19 | 148 |
| | | Decachlorobiphenyl | 2 | 20 | 23.8 | 119 | | 20 | 144 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.8 | 104 | | 19 | 148 |
| Q1889-01 | COMP-1 | Decachlorobiphenyl | 1 | 20 | 18.7 | 94 | | 20 | 144 |
| | | Tetrachloro-m-xylene | 1 | 20 | 18.9 | 95 | | 19 | 148 |
| | | Decachlorobiphenyl | 2 | 20 | 18.6 | 93 | | 20 | 144 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.7 | 94 | | 19 | 148 |
| Q1889-01MS | COMP-1MS | Decachlorobiphenyl | 1 | 20 | 17.6 | 88 | | 20 | 144 |
| | | Tetrachloro-m-xylene | 1 | 20 | 18.1 | 90 | | 19 | 148 |
| | | Decachlorobiphenyl | 2 | 20 | 17.8 | 89 | | 20 | 144 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.4 | 92 | | 19 | 148 |
| Q1889-01MSD | COMP-1MSD | Decachlorobiphenyl | 1 | 20 | 17.4 | 87 | | 20 | 144 |
| | | Tetrachloro-m-xylene | 1 | 20 | 17.9 | 90 | | 19 | 148 |
| | | Decachlorobiphenyl | 2 | 20 | 17.1 | 86 | | 20 | 144 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.0 | 90 | | 19 | 148 |
| Q1889-02 | COMP-2 | Decachlorobiphenyl | 1 | 20 | 20.1 | 101 | | 20 | 144 |
| | | Tetrachloro-m-xylene | 1 | 20 | 19.6 | 98 | | 19 | 148 |
| | | Decachlorobiphenyl | 2 | 20 | 20.1 | 101 | | 20 | 144 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.4 | 102 | | 19 | 148 |
| Q1889-03 | COMP-3 | Decachlorobiphenyl | 1 | 20 | 21.5 | 107 | | 20 | 144 |
| | | Tetrachloro-m-xylene | 1 | 20 | 20.0 | 100 | | 19 | 148 |
| | | Decachlorobiphenyl | 2 | 20 | 21.9 | 110 | | 20 | 144 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.5 | 103 | | 19 | 148 |
| I.BLK-PL095450.D | PIBLK-PL095450.D | Decachlorobiphenyl | 1 | 20 | 21.2 | 106 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 1 | 20 | 18.5 | 93 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 21.8 | 109 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.0 | 95 | | 77 | 126 |
| I.BLK-PL095473.D | PIBLK-PL095473.D | Decachlorobiphenyl | 1 | 20 | 22.2 | 111 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 1 | 20 | 18.9 | 95 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 21.0 | 105 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.1 | 91 | | 77 | 126 |
| PB167766BL | PB167766BL | Decachlorobiphenyl | 1 | 20 | 21.5 | 107 | | 20 | 144 |

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## Surrogate Summary

**SDG No.:** Q1889

**Client:** Kleinfelder

**Analytical Method:** 8081B

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| PB167766BL | PB167766BL | Tetrachloro-m-xylene | 1 | 20 | 19.4 | 97 | | 19 | 148 |
| | | Decachlorobiphenyl | 2 | 20 | 20.9 | 105 | | 20 | 144 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.4 | 92 | | 19 | 148 |
| I.BLK-PL095483.D | PIBLK-PL095483.D | Decachlorobiphenyl | 1 | 20 | 22.9 | 115 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 1 | 20 | 19.1 | 96 | | 77 | 126 |
| | | Decachlorobiphenyl | 2 | 20 | 21.8 | 109 | | 43 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.8 | 109 | | 77 | 126 |

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# Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1889

**Client:** Kleinfelder

**Analytical Method:** 8081B **DataFile :** PL095444.D

| Lab Sample ID: | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Client Sample ID:** | **COMP-1MS** | | | | | | | | | | | |
| Q1889-01MS | Aldrin | 20.18 | 0 | 20.3 | ug/kg | 101 | | | | 49 | 139 | |
| | Dieldrin | 20.18 | 0 | 21.2 | ug/kg | 105 | | | | 47 | 161 | |
| | 4,4'-DDE | 20.18 | 0 | 21.1 | ug/kg | 105 | | | | 55 | 136 | |
| | 4,4'-DDD | 20.18 | 0 | 23.1 | ug/kg | 114 | | | | 47 | 163 | |
| | 4,4'-DDT | 20.18 | 0 | 21.3 | ug/kg | 106 | | | | 51 | 146 | |

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# Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1889

**Client:** Kleinfelder

**Analytical Method:** 8081B **DataFile :** PL095445.D

| Lab Sample ID: | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Client Sample ID:** | **COMP-1MSD** | | | | | | | | | | | |
| Q1889-01MSD | Aldrin | 20.17 | 0 | 20.1 | ug/kg | 100 | | 1 | | 49 | 139 | 20 |
| | Dieldrin | 20.17 | 0 | 21.0 | ug/kg | 104 | | 1 | | 47 | 161 | 20 |
| | 4,4'-DDE | 20.17 | 0 | 20.8 | ug/kg | 103 | | 2 | | 55 | 136 | 20 |
| | 4,4'-DDD | 20.17 | 0 | 22.8 | ug/kg | 113 | | 1 | | 47 | 163 | 20 |
| | 4,4'-DDT | 20.17 | 0 | 20.9 | ug/kg | 104 | | 2 | | 51 | 146 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1889

**Client:** Kleinfelder

**Analytical Method:** 8081B **Datafile :** PL095442.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB167766BS | Aldrin | 16.65 | 17.4 | ug/kg | 105 | | | | 82 | 124 | |
| | Dieldrin | 16.65 | 18.4 | ug/kg | 111 | | | | 85 | 121 | |
| | 4,4'-DDE | 16.65 | 18.1 | ug/kg | 109 | | | | 81 | 123 | |
| | 4,4'-DDD | 16.65 | 19.6 | ug/kg | 118 | | | | 80 | 131 | |
| | 4,4'-DDT | 16.65 | 18.7 | ug/kg | 112 | | | | 70 | 129 | |

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167766BL

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1889 SAS No.: Q1889 SDG NO.: Q1889

Lab Sample ID: PB167766BL Lab File ID: PL095478.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 04/28/2025

Date Analyzed (1): 04/29/2025 Date Analyzed (2): 04/29/2025

Time Analyzed (1): 14:42 Time Analyzed (2): 14:42

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|---|
| PB167766BS | PB167766BS | PL095442.D | 04/28/2025 | 04/28/2025 |
| COMP-1 | Q1889-01 | PL095443.D | 04/28/2025 | 04/28/2025 |
| COMP-1MS | Q1889-01MS | PL095444.D | 04/28/2025 | 04/28/2025 |
| COMP-1MSD | Q1889-01MSD | PL095445.D | 04/28/2025 | 04/28/2025 |
| COMP-2 | Q1889-02 | PL095446.D | 04/28/2025 | 04/28/2025 |
| COMP-3 | Q1889-03 | PL095447.D | 04/28/2025 | 04/28/2025 |

COMMENTS:

# QC SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | |
| Project: | Mitchell School | Date Received: | |
| Client Sample ID: | PB167766BL | SDG No.: | Q1889 |
| Lab Sample ID: | PB167766BL | Matrix: | SOIL |
| Analytical Method: | SW8081 | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PESTICIDE Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL095478.D | 1 | 04/28/25 09:05 | 04/29/25 14:42 | PB167766 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 309-00-2 | Aldrin | 0.12 | U | 0.12 | 1.70 | ug/kg |
| 60-57-1 | Dieldrin | 0.14 | U | 0.14 | 1.70 | ug/kg |
| 72-55-9 | 4,4-DDE | 0.14 | U | 0.14 | 1.70 | ug/kg |
| 72-54-8 | 4,4-DDD | 0.15 | U | 0.15 | 1.70 | ug/kg |
| 50-29-3 | 4,4-DDT | 0.14 | U | 0.14 | 1.70 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 21.5 | | 20 - 144 | 107% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 19.4 | | 19 - 148 | 97% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | 04/23/25 |
| Project: | Mitchell School | Date Received: | 04/23/25 |
| Client Sample ID: | PIBLK-PL095326.D | SDG No.: | Q1889 |
| Lab Sample ID: | I.BLK-PL095326.D | Matrix: | WATER |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PESTICIDE Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL095326.D | 1 | | 04/23/25 | pl042325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 309-00-2 | Aldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 60-57-1 | Dieldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 0.0071 | 0.050 | ug/L |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 18.9 | | 43 - 140 | 94% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 17.3 | | 77 - 126 | 87% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | 04/28/25 |
| Project: | Mitchell School | Date Received: | 04/28/25 |
| Client Sample ID: | PIBLK-PL095438.D | SDG No.: | Q1889 |
| Lab Sample ID: | I.BLK-PL095438.D | Matrix: | WATER |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PESTICIDE Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL095438.D | 1 | | 04/28/25 | pl043025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 309-00-2 | Aldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 60-57-1 | Dieldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 0.0071 | 0.050 | ug/L |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 22.9 | | 43 - 140 | 114% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 18.6 | | 77 - 126 | 93% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | 04/28/25 |
| Project: | Mitchell School | Date Received: | 04/28/25 |
| Client Sample ID: | PIBLK-PL095450.D | SDG No.: | Q1889 |
| Lab Sample ID: | I.BLK-PL095450.D | Matrix: | WATER |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PESTICIDE Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL095450.D | 1 | | 04/28/25 | pl043025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 309-00-2 | Aldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 60-57-1 | Dieldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 0.0071 | 0.050 | ug/L |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 21.8 | | 43 - 140 | 109% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 19.0 | | 77 - 126 | 95% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | 04/29/25 |
| Project: | Mitchell School | Date Received: | 04/29/25 |
| Client Sample ID: | PIBLK-PL095473.D | SDG No.: | Q1889 |
| Lab Sample ID: | I.BLK-PL095473.D | Matrix: | WATER |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PESTICIDE Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL095473.D | 1 | | 04/29/25 | pl050225 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 309-00-2 | Aldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 60-57-1 | Dieldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 0.0071 | 0.050 | ug/L |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 22.2 | | 43 - 140 | 111% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 18.9 | | 77 - 126 | 95% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | 04/29/25 |
| Project: | Mitchell School | Date Received: | 04/29/25 |
| Client Sample ID: | PIBLK-PL095483.D | SDG No.: | Q1889 |
| Lab Sample ID: | I.BLK-PL095483.D | Matrix: | WATER |
| Analytical Method: | SW8081 | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PESTICIDE Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL095483.D | 1 | | 04/29/25 | pl050225 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 309-00-2 | Aldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 60-57-1 | Dieldrin | 0.0036 | U | 0.0036 | 0.050 | ug/L |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 0.0037 | 0.050 | ug/L |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 0.0071 | 0.050 | ug/L |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 0.0035 | 0.050 | ug/L |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 22.9 | | 43 - 140 | 115% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 21.8 | | 77 - 126 | 109% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | |
| Project: | Mitchell School | Date Received: | |
| Client Sample ID: | PB167766BS | SDG No.: | Q1889 |
| Lab Sample ID: | PB167766BS | Matrix: | SOIL |
| Analytical Method: | SW8081 | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PESTICIDE Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL095442.D | 1 | 04/28/25 09:05 | 04/28/25 16:49 | PB167766 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 309-00-2 | Aldrin | 17.4 | | 0.12 | 1.70 | ug/kg |
| 60-57-1 | Dieldrin | 18.4 | | 0.14 | 1.70 | ug/kg |
| 72-55-9 | 4,4-DDE | 18.1 | | 0.14 | 1.70 | ug/kg |
| 72-54-8 | 4,4-DDD | 19.6 | | 0.15 | 1.70 | ug/kg |
| 50-29-3 | 4,4-DDT | 18.7 | | 0.14 | 1.70 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 23.8 | | 20 - 144 | 119% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 20.8 | | 19 - 148 | 104% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | 04/24/25 |
| Project: | Mitchell School | Date Received: | 04/25/25 |
| Client Sample ID: | COMP-1MS | SDG No.: | Q1889 |
| Lab Sample ID: | Q1889-01MS | Matrix: | SOIL |
| Analytical Method: | SW8081 | % Solid: | 82.5 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PESTICIDE Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL095444.D | 1 | 04/28/25 09:05 | 04/28/25 17:22 | PB167766 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 309-00-2 | Aldrin | 20.3 | | 0.15 | 2.10 | ug/kg |
| 60-57-1 | Dieldrin | 21.2 | | 0.17 | 2.10 | ug/kg |
| 72-55-9 | 4,4-DDE | 21.1 | | 0.17 | 2.10 | ug/kg |
| 72-54-8 | 4,4-DDD | 23.1 | | 0.18 | 2.10 | ug/kg |
| 50-29-3 | 4,4-DDT | 21.3 | | 0.17 | 2.10 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 17.8 | | 20 - 144 | 89% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 18.4 | | 19 - 148 | 92% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | 04/24/25 |
| Project: | Mitchell School | Date Received: | 04/25/25 |
| Client Sample ID: | COMP-1MSD | SDG No.: | Q1889 |
| Lab Sample ID: | Q1889-01MSD | Matrix: | SOIL |
| Analytical Method: | SW8081 | % Solid: | 82.5 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PESTICIDE Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PL095445.D | 1 | 04/28/25 09:05 | 04/28/25 17:36 | PB167766 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 309-00-2 | Aldrin | 20.1 | | 0.15 | 2.10 | ug/kg |
| 60-57-1 | Dieldrin | 21.0 | | 0.17 | 2.10 | ug/kg |
| 72-55-9 | 4,4-DDE | 20.8 | | 0.17 | 2.10 | ug/kg |
| 72-54-8 | 4,4-DDD | 22.8 | | 0.18 | 2.10 | ug/kg |
| 50-29-3 | 4,4-DDT | 20.9 | | 0.17 | 2.10 | ug/kg |
| **SURROGATES** | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 17.4 | | 20 - 144 | 87% | SPK: 20 |
| 877-09-8 | Tetrachloro-m-xylene | 18.0 | | 19 - 148 | 90% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

# CALIBRATION SUMMARY

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## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**Instrument ID:** ECD_L **Calibration Date(s):** 04/23/2025 04/23/2025

**Calibration Times:** 11:31 12:26

---

GC Column: ZB-MR1 ID: 0.32 (mm)

**LAB FILE ID:** RT 100 = PL095329.D RT 075 = PL095330.D

RT 050 = PL095331.D RT 025 = PL095332.D RT 005 = PL095333.D

| COMPOUND | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 | 6.65 | 6.85 |
| 4,4'-DDE | 6.24 | 6.24 | 6.24 | 6.24 | 6.24 | 6.24 | 6.14 | 6.34 |
| 4,4'-DDT | 7.07 | 7.07 | 7.07 | 7.07 | 7.07 | 7.07 | 6.97 | 7.17 |
| Aldrin | 5.32 | 5.32 | 5.32 | 5.32 | 5.32 | 5.32 | 5.22 | 5.42 |
| Decachlorobiphenyl | 9.12 | 9.12 | 9.12 | 9.12 | 9.12 | 9.12 | 9.02 | 9.22 |
| Dieldrin | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.30 | 6.50 |
| Tetrachloro-m-xylene | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.50 | 3.70 |

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## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**Instrument ID:** ECD_L **Calibration Date(s):** 04/23/2025 04/23/2025

**Calibration Times:** 11:31 12:26

GC Column: ZB-MR2 ID: 0.32 (mm)

**LAB FILE ID:** RT 100 = PL095329.D RT 075 = PL095330.D

RT 050 = PL095331.D RT 025 = PL095332.D RT 005 = PL095333.D

| COMPOUND | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.95 | 5.95 | 5.95 | 5.95 | 5.95 | 5.95 | 5.85 | 6.05 |
| 4,4'-DDE | 5.40 | 5.40 | 5.40 | 5.40 | 5.40 | 5.40 | 5.30 | 5.50 |
| 4,4'-DDT | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.10 | 6.30 |
| Aldrin | 4.39 | 4.39 | 4.39 | 4.39 | 4.39 | 4.39 | 4.29 | 4.49 |
| Decachlorobiphenyl | 8.09 | 8.09 | 8.09 | 8.09 | 8.09 | 8.09 | 7.99 | 8.19 |
| Dieldrin | 5.53 | 5.53 | 5.53 | 5.53 | 5.53 | 5.53 | 5.43 | 5.63 |
| Tetrachloro-m-xylene | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 | 2.91 | 2.81 | 3.01 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**Instrument ID:** ECD_L

**Calibration Date(s):** 04/23/2025 04/23/2025

**Calibration Times:** 11:31 12:26

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

**LAB FILE ID:** **CF 100 =** PL095329.D **CF 075 =** PL095330.D

**CF 050 =** PL095331.D **CF 025 =** PL095332.D **CF 005 =** PL095333.D

| COMPOUND | CF 100 | CF 075 | CF 050 | CF 025 | CF 005 | CF | % RSD |
|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 2865080000 | 2820110000 | 2707400000 | 2820390000 | 2941790000 | 2830960000 | 3 |
| 4,4'-DDE | 3926930000 | 3864370000 | 3733720000 | 3923550000 | 4154180000 | 3920550000 | 4 |
| 4,4'-DDT | 2903290000 | 2865670000 | 2760290000 | 2861180000 | 2852460000 | 2848580000 | 2 |
| Aldrin | 4647840000 | 4586260000 | 4401320000 | 4541780000 | 4787920000 | 4593020000 | 3 |
| Decachlorobiphenyl | 2647270000 | 2643130000 | 2643240000 | 2821430000 | 3098960000 | 2770810000 | 7 |
| Dieldrin | 3906950000 | 3842890000 | 3678670000 | 3851250000 | 3994310000 | 3854810000 | 3 |
| Tetrachloro-m-xylene | 3234910000 | 3230840000 | 3121140000 | 3291160000 | 3445310000 | 3264670000 | 4 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**Instrument ID:** ECD_L

**Calibration Date(s):** 04/23/2025 04/23/2025

**Calibration Times:** 11:31 12:26

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

**LAB FILE ID:** **CF 100 =** PL095329.D **CF 075 =** PL095330.D

**CF 050 =** PL095331.D **CF 025 =** PL095332.D **CF 005 =** PL095333.D

| COMPOUND | CF 100 | CF 075 | CF 050 | CF 025 | CF 005 | CF | % RSD |
|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 3451170000 | 3194300000 | 3089420000 | 3267920000 | 3331160000 | 3266790000 | 4 |
| 4,4'-DDE | 4259410000 | 3966100000 | 3865330000 | 4094560000 | 4149440000 | 4066970000 | 4 |
| 4,4'-DDT | 3670140000 | 3377430000 | 3277310000 | 3441260000 | 3414750000 | 3436180000 | 4 |
| Aldrin | 4336230000 | 4110670000 | 3932000000 | 4090330000 | 4109170000 | 4115680000 | 4 |
| Decachlorobiphenyl | 3012930000 | 2805190000 | 2819260000 | 3040170000 | 3118780000 | 2959270000 | 5 |
| Dieldrin | 4236430000 | 3965120000 | 3821410000 | 4048720000 | 4263750000 | 4067090000 | 5 |
| Tetrachloro-m-xylene | 3206620000 | 3119570000 | 3030900000 | 3186820000 | 3354850000 | 3179750000 | 4 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**Continuing Calib Date:** 04/28/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

**Continuing Calib Time:** 16:01 **Initial Calibration Time(s):** 11:31 12:26

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.12 | 9.12 | 9.02 | 9.22 | 0.00 |
| Tetrachloro-m-xylene | 3.59 | 3.60 | 3.50 | 3.70 | 0.01 |
| Aldrin | 5.31 | 5.32 | 5.22 | 5.42 | 0.01 |
| Dieldrin | 6.39 | 6.40 | 6.30 | 6.50 | 0.01 |
| 4,4'-DDE | 6.24 | 6.24 | 6.14 | 6.34 | 0.00 |
| 4,4'-DDD | 6.75 | 6.75 | 6.65 | 6.85 | 0.00 |
| 4,4'-DDT | 7.06 | 7.07 | 6.97 | 7.17 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**Continuing Calib Date:** 04/28/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

**Continuing Calib Time:** 16:01 **Initial Calibration Time(s):** 11:31 12:26

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.08 | 8.09 | 7.99 | 8.19 | 0.01 |
| Tetrachloro-m-xylene | 2.90 | 2.91 | 2.81 | 3.01 | 0.01 |
| Aldrin | 4.39 | 4.39 | 4.29 | 4.49 | 0.00 |
| Dieldrin | 5.53 | 5.53 | 5.43 | 5.63 | 0.00 |
| 4,4'-DDE | 5.39 | 5.40 | 5.30 | 5.50 | 0.01 |
| 4,4'-DDD | 5.94 | 5.95 | 5.85 | 6.05 | 0.01 |
| 4,4'-DDT | 6.20 | 6.20 | 6.10 | 6.30 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 04/28/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PL095440.D **Time Analyzed:** 16:01

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.748 | 6.653 | 6.853 | 58.710 | 50.000 | 17.4 |
| 4,4'-DDE | 6.239 | 6.143 | 6.343 | 56.090 | 50.000 | 12.2 |
| 4,4'-DDT | 7.064 | 6.969 | 7.169 | 55.970 | 50.000 | 11.9 |
| Aldrin | 5.314 | 5.218 | 5.418 | 52.060 | 50.000 | 4.1 |
| Decachlorobiphenyl | 9.116 | 9.022 | 9.222 | 55.670 | 50.000 | 11.3 |
| Dieldrin | 6.391 | 6.296 | 6.496 | 54.260 | 50.000 | 8.5 |
| Tetrachloro-m-xylene | 3.593 | 3.495 | 3.695 | 51.230 | 50.000 | 2.5 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 04/28/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PL095440.D **Time Analyzed:** 16:01

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.944 | 5.849 | 6.049 | 50.710 | 50.000 | 1.4 |
| 4,4'-DDE | 5.392 | 5.297 | 5.497 | 47.450 | 50.000 | -5.1 |
| 4,4'-DDT | 6.198 | 6.104 | 6.304 | 42.540 | 50.000 | -14.9 |
| Aldrin | 4.386 | 4.290 | 4.490 | 49.990 | 50.000 | 0.0 |
| Decachlorobiphenyl | 8.083 | 7.989 | 8.189 | 54.680 | 50.000 | 9.4 |
| Dieldrin | 5.527 | 5.432 | 5.632 | 48.720 | 50.000 | -2.6 |
| Tetrachloro-m-xylene | 2.904 | 2.806 | 3.006 | 50.270 | 50.000 | 0.5 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**Continuing Calib Date:** 04/28/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

**Continuing Calib Time:** 18:58 **Initial Calibration Time(s):** 11:31 12:26

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.11 | 9.12 | 9.02 | 9.22 | 0.01 |
| Tetrachloro-m-xylene | 3.59 | 3.60 | 3.50 | 3.70 | 0.01 |
| Aldrin | 5.31 | 5.32 | 5.22 | 5.42 | 0.01 |
| Dieldrin | 6.39 | 6.40 | 6.30 | 6.50 | 0.01 |
| 4,4'-DDE | 6.24 | 6.24 | 6.14 | 6.34 | 0.00 |
| 4,4'-DDD | 6.75 | 6.75 | 6.65 | 6.85 | 0.00 |
| 4,4'-DDT | 7.06 | 7.07 | 6.97 | 7.17 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**Continuing Calib Date:** 04/28/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

**Continuing Calib Time:** 18:58 **Initial Calibration Time(s):** 11:31 12:26

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.08 | 8.09 | 7.99 | 8.19 | 0.01 |
| Tetrachloro-m-xylene | 2.90 | 2.91 | 2.81 | 3.01 | 0.01 |
| Aldrin | 4.39 | 4.39 | 4.29 | 4.49 | 0.00 |
| Dieldrin | 5.53 | 5.53 | 5.43 | 5.63 | 0.00 |
| 4,4'-DDE | 5.39 | 5.40 | 5.30 | 5.50 | 0.01 |
| 4,4'-DDD | 5.94 | 5.95 | 5.85 | 6.05 | 0.01 |
| 4,4'-DDT | 6.20 | 6.20 | 6.10 | 6.30 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 04/28/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PL095451.D **Time Analyzed:** 18:58

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.748 | 6.653 | 6.853 | 58.810 | 50.000 | 17.6 |
| 4,4'-DDE | 6.238 | 6.143 | 6.343 | 54.780 | 50.000 | 9.6 |
| 4,4'-DDT | 7.063 | 6.969 | 7.169 | 54.390 | 50.000 | 8.8 |
| Aldrin | 5.314 | 5.218 | 5.418 | 53.180 | 50.000 | 6.4 |
| Decachlorobiphenyl | 9.114 | 9.022 | 9.222 | 54.790 | 50.000 | 9.6 |
| Dieldrin | 6.391 | 6.296 | 6.496 | 55.290 | 50.000 | 10.6 |
| Tetrachloro-m-xylene | 3.592 | 3.495 | 3.695 | 52.860 | 50.000 | 5.7 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 04/28/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PL095451.D **Time Analyzed:** 18:58

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.943 | 5.849 | 6.049 | 55.510 | 50.000 | 11.0 |
| 4,4'-DDE | 5.391 | 5.297 | 5.497 | 53.150 | 50.000 | 6.3 |
| 4,4'-DDT | 6.197 | 6.104 | 6.304 | 51.870 | 50.000 | 3.7 |
| Aldrin | 4.386 | 4.290 | 4.490 | 54.570 | 50.000 | 9.1 |
| Decachlorobiphenyl | 8.082 | 7.989 | 8.189 | 56.620 | 50.000 | 13.2 |
| Dieldrin | 5.526 | 5.432 | 5.632 | 53.280 | 50.000 | 6.6 |
| Tetrachloro-m-xylene | 2.904 | 2.806 | 3.006 | 54.290 | 50.000 | 8.6 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**Continuing Calib Date:** 04/29/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

**Continuing Calib Time:** 13:07 **Initial Calibration Time(s):** 11:31 12:26

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.12 | 9.12 | 9.02 | 9.22 | 0.00 |
| Tetrachloro-m-xylene | 3.59 | 3.60 | 3.50 | 3.70 | 0.01 |
| Aldrin | 5.32 | 5.32 | 5.22 | 5.42 | 0.00 |
| Dieldrin | 6.39 | 6.40 | 6.30 | 6.50 | 0.01 |
| 4,4'-DDE | 6.24 | 6.24 | 6.14 | 6.34 | 0.00 |
| 4,4'-DDD | 6.75 | 6.75 | 6.65 | 6.85 | 0.00 |
| 4,4'-DDT | 7.07 | 7.07 | 6.97 | 7.17 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**Continuing Calib Date:** 04/29/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

**Continuing Calib Time:** 13:07 **Initial Calibration Time(s):** 11:31 12:26

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.08 | 8.09 | 7.99 | 8.19 | 0.01 |
| Tetrachloro-m-xylene | 2.90 | 2.91 | 2.81 | 3.01 | 0.01 |
| Aldrin | 4.39 | 4.39 | 4.29 | 4.49 | 0.00 |
| Dieldrin | 5.53 | 5.53 | 5.43 | 5.63 | 0.00 |
| 4,4'-DDE | 5.39 | 5.40 | 5.30 | 5.50 | 0.01 |
| 4,4'-DDD | 5.94 | 5.95 | 5.85 | 6.05 | 0.01 |
| 4,4'-DDT | 6.20 | 6.20 | 6.10 | 6.30 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 04/29/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PL095475.D **Time Analyzed:** 13:07

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.750 | 6.653 | 6.853 | 59.620 | 50.000 | 19.2 |
| 4,4'-DDE | 6.240 | 6.143 | 6.343 | 54.050 | 50.000 | 8.1 |
| 4,4'-DDT | 7.065 | 6.969 | 7.169 | 52.560 | 50.000 | 5.1 |
| Aldrin | 5.316 | 5.218 | 5.418 | 52.020 | 50.000 | 4.0 |
| Decachlorobiphenyl | 9.118 | 9.022 | 9.222 | 53.870 | 50.000 | 7.7 |
| Dieldrin | 6.393 | 6.296 | 6.496 | 55.030 | 50.000 | 10.1 |
| Tetrachloro-m-xylene | 3.594 | 3.495 | 3.695 | 51.720 | 50.000 | 3.4 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 04/29/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PL095475.D **Time Analyzed:** 13:07

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.942 | 5.849 | 6.049 | 51.510 | 50.000 | 3.0 |
| 4,4'-DDE | 5.390 | 5.297 | 5.497 | 48.410 | 50.000 | -3.2 |
| 4,4'-DDT | 6.196 | 6.104 | 6.304 | 45.710 | 50.000 | -8.6 |
| Aldrin | 4.385 | 4.290 | 4.490 | 49.140 | 50.000 | -1.7 |
| Decachlorobiphenyl | 8.081 | 7.989 | 8.189 | 53.560 | 50.000 | 7.1 |
| Dieldrin | 5.525 | 5.432 | 5.632 | 48.570 | 50.000 | -2.9 |
| Tetrachloro-m-xylene | 2.903 | 2.806 | 3.006 | 49.110 | 50.000 | -1.8 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**Continuing Calib Date:** 04/29/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

**Continuing Calib Time:** 17:42 **Initial Calibration Time(s):** 11:31 12:26

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.12 | 9.12 | 9.02 | 9.22 | 0.00 |
| Tetrachloro-m-xylene | 3.60 | 3.60 | 3.50 | 3.70 | 0.00 |
| Aldrin | 5.32 | 5.32 | 5.22 | 5.42 | 0.00 |
| Dieldrin | 6.40 | 6.40 | 6.30 | 6.50 | 0.00 |
| 4,4'-DDE | 6.24 | 6.24 | 6.14 | 6.34 | 0.00 |
| 4,4'-DDD | 6.75 | 6.75 | 6.65 | 6.85 | 0.00 |
| 4,4'-DDT | 7.07 | 7.07 | 6.97 | 7.17 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**Continuing Calib Date:** 04/29/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

**Continuing Calib Time:** 17:42 **Initial Calibration Time(s):** 11:31 12:26

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.08 | 8.09 | 7.99 | 8.19 | 0.01 |
| Tetrachloro-m-xylene | 2.91 | 2.91 | 2.81 | 3.01 | 0.00 |
| Aldrin | 4.39 | 4.39 | 4.29 | 4.49 | 0.00 |
| Dieldrin | 5.53 | 5.53 | 5.43 | 5.63 | 0.00 |
| 4,4'-DDE | 5.39 | 5.40 | 5.30 | 5.50 | 0.01 |
| 4,4'-DDD | 5.95 | 5.95 | 5.85 | 6.05 | 0.00 |
| 4,4'-DDT | 6.20 | 6.20 | 6.10 | 6.30 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 04/29/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PL095484.D **Time Analyzed:** 17:42

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.753 | 6.653 | 6.853 | 53.600 | 50.000 | 7.2 |
| 4,4'-DDE | 6.243 | 6.143 | 6.343 | 46.370 | 50.000 | -7.3 |
| 4,4'-DDT | 7.068 | 6.969 | 7.169 | 43.530 | 50.000 | -12.9 |
| Aldrin | 5.318 | 5.218 | 5.418 | 44.960 | 50.000 | -10.1 |
| Decachlorobiphenyl | 9.122 | 9.022 | 9.222 | 46.790 | 50.000 | -6.4 |
| Dieldrin | 6.396 | 6.296 | 6.496 | 47.690 | 50.000 | -4.6 |
| Tetrachloro-m-xylene | 3.596 | 3.495 | 3.695 | 44.610 | 50.000 | -10.8 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 04/29/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PL095484.D **Time Analyzed:** 17:42

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.946 | 5.849 | 6.049 | 52.250 | 50.000 | 4.5 |
| 4,4'-DDE | 5.392 | 5.297 | 5.497 | 47.760 | 50.000 | -4.5 |
| 4,4'-DDT | 6.200 | 6.104 | 6.304 | 42.790 | 50.000 | -14.4 |
| Aldrin | 4.386 | 4.290 | 4.490 | 51.290 | 50.000 | 2.6 |
| Decachlorobiphenyl | 8.084 | 7.989 | 8.189 | 45.080 | 50.000 | -9.8 |
| Dieldrin | 5.529 | 5.432 | 5.632 | 48.760 | 50.000 | -2.5 |
| Tetrachloro-m-xylene | 2.906 | 2.806 | 3.006 | 50.780 | 50.000 | 1.6 |

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## PESTICIDE CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

**Client Sample No. (PEM):** PEM - PL095327.D **Date Analyzed:** 04/23/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 11:04

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.122 | 9.020 | 9.220 | 23.490 | 20.000 | 17.5 |
| Tetrachloro-m-xylene | 3.594 | 3.540 | 3.640 | 22.530 | 20.000 | 12.7 |
| alpha-BHC | 4.045 | 3.990 | 4.100 | 10.950 | 10.000 | 9.5 |
| beta-BHC | 4.563 | 4.510 | 4.610 | 10.960 | 10.000 | 9.6 |
| gamma-BHC (Lindane) | 4.375 | 4.320 | 4.430 | 11.240 | 10.000 | 12.4 |
| Endrin | 6.622 | 6.550 | 6.690 | 54.830 | 50.000 | 9.7 |
| 4,4'-DDT | 7.067 | 7.000 | 7.140 | 112.580 | 100.000 | 12.6 |
| Methoxychlor | 7.538 | 7.470 | 7.610 | 265.190 | 250.000 | 6.1 |

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

**Client Sample No. (PEM):** PEM - PL095327.D **Date Analyzed:** 04/23/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 11:04

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.089 | 7.990 | 8.190 | 23.100 | 20.000 | 15.5 |
| Tetrachloro-m-xylene | 2.905 | 2.850 | 2.960 | 22.790 | 20.000 | 14.0 |
| alpha-BHC | 3.415 | 3.360 | 3.470 | 11.050 | 10.000 | 10.5 |
| beta-BHC | 4.042 | 3.990 | 4.090 | 11.540 | 10.000 | 15.4 |
| gamma-BHC (Lindane) | 3.748 | 3.700 | 3.800 | 11.100 | 10.000 | 11.0 |
| Endrin | 5.806 | 5.740 | 5.880 | 57.180 | 50.000 | 14.4 |
| 4,4'-DDT | 6.203 | 6.130 | 6.270 | 115.980 | 100.000 | 16.0 |
| Methoxychlor | 6.774 | 6.700 | 6.840 | 253.560 | 250.000 | 1.4 |

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## PESTICIDE CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

**Client Sample No. (PEM):** PEM - PL095439.D **Date Analyzed:** 04/28/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 15:47

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.117 | 9.020 | 9.220 | 25.350 | 20.000 | 26.8 |
| Tetrachloro-m-xylene | 3.593 | 3.540 | 3.640 | 22.460 | 20.000 | 12.3 |
| alpha-BHC | 4.044 | 3.990 | 4.090 | 11.000 | 10.000 | 10.0 |
| beta-BHC | 4.561 | 4.510 | 4.610 | 11.190 | 10.000 | 11.9 |
| gamma-BHC (Lindane) | 4.373 | 4.320 | 4.420 | 11.270 | 10.000 | 12.7 |
| Endrin | 6.619 | 6.550 | 6.690 | 59.230 | 50.000 | 18.5 |
| 4,4'-DDT | 7.065 | 6.990 | 7.140 | 117.390 | 100.000 | 17.4 |
| Methoxychlor | 7.536 | 7.470 | 7.610 | 269.500 | 250.000 | 7.8 |

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

**Client Sample No. (PEM):** PEM - PL095439.D **Date Analyzed:** 04/28/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 15:47

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.083 | 7.980 | 8.180 | 24.580 | 20.000 | 22.9 |
| Tetrachloro-m-xylene | 2.904 | 2.850 | 2.950 | 21.560 | 20.000 | 7.8 |
| alpha-BHC | 3.413 | 3.360 | 3.460 | 10.690 | 10.000 | 6.9 |
| beta-BHC | 4.040 | 3.990 | 4.090 | 11.130 | 10.000 | 11.3 |
| gamma-BHC (Lindane) | 3.747 | 3.700 | 3.800 | 10.730 | 10.000 | 7.3 |
| Endrin | 5.801 | 5.730 | 5.870 | 51.780 | 50.000 | 3.6 |
| 4,4'-DDT | 6.198 | 6.130 | 6.270 | 107.280 | 100.000 | 7.3 |
| Methoxychlor | 6.769 | 6.700 | 6.840 | 230.890 | 250.000 | -7.6 |

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## PESTICIDE CALIBRATION VERIFICATION SUMMARY

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

**Client Sample No. (PEM):** PEM - PL095474.D **Date Analyzed:** 04/29/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 12:38

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.118 | 9.020 | 9.220 | 25.490 | 20.000 | 27.5 |
| Tetrachloro-m-xylene | 3.594 | 3.540 | 3.640 | 22.620 | 20.000 | 13.1 |
| alpha-BHC | 4.044 | 3.990 | 4.090 | 11.130 | 10.000 | 11.3 |
| beta-BHC | 4.562 | 4.510 | 4.610 | 11.240 | 10.000 | 12.4 |
| gamma-BHC (Lindane) | 4.375 | 4.320 | 4.430 | 11.360 | 10.000 | 13.6 |
| Endrin | 6.621 | 6.550 | 6.690 | 56.870 | 50.000 | 13.7 |
| 4,4'-DDT | 7.066 | 7.000 | 7.140 | 112.730 | 100.000 | 12.7 |
| Methoxychlor | 7.537 | 7.470 | 7.610 | 257.830 | 250.000 | 3.1 |

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

**Client Sample No. (PEM):** PEM - PL095474.D **Date Analyzed:** 04/29/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 12:38

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.082 | 7.980 | 8.180 | 24.570 | 20.000 | 22.9 |
| Tetrachloro-m-xylene | 2.904 | 2.850 | 2.950 | 21.880 | 20.000 | 9.4 |
| alpha-BHC | 3.413 | 3.360 | 3.460 | 11.020 | 10.000 | 10.2 |
| beta-BHC | 4.039 | 3.990 | 4.090 | 10.820 | 10.000 | 8.2 |
| gamma-BHC (Lindane) | 3.747 | 3.700 | 3.800 | 10.810 | 10.000 | 8.1 |
| Endrin | 5.802 | 5.730 | 5.870 | 51.110 | 50.000 | 2.2 |
| 4,4'-DDT | 6.198 | 6.130 | 6.270 | 104.140 | 100.000 | 4.1 |
| Methoxychlor | 6.769 | 6.700 | 6.840 | 224.730 | 250.000 | -10.1 |

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# Analytical Sequence

**Client:** Kleinfelder **SDG No.:** Q1889

**Project:** Mitchell School **Instrument ID:** ECD_L

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/23/2025 04/23/2025

**THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:**

| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | DATAFILE | DCB RT # | TCX RT # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 04/23/2025 | 10:50 | PL095326.D | 9.12 | 3.59 |
| PEM | PEM | 04/23/2025 | 11:04 | PL095327.D | 9.12 | 3.59 |
| RESCHK | RESCHK | 04/23/2025 | 11:18 | PL095328.D | 9.12 | 3.59 |
| PSTDICC100 | PSTDICC100 | 04/23/2025 | 11:31 | PL095329.D | 9.12 | 3.60 |
| PSTDICC075 | PSTDICC075 | 04/23/2025 | 11:45 | PL095330.D | 9.12 | 3.60 |
| PSTDICC050 | PSTDICC050 | 04/23/2025 | 11:59 | PL095331.D | 9.12 | 3.60 |
| PSTDICC025 | PSTDICC025 | 04/23/2025 | 12:12 | PL095332.D | 9.12 | 3.60 |
| PSTDICC005 | PSTDICC005 | 04/23/2025 | 12:26 | PL095333.D | 9.12 | 3.60 |
| PCHLORICC500 | PCHLORICC500 | 04/23/2025 | 13:07 | PL095336.D | 9.12 | 3.60 |
| PTOXICC500 | PTOXICC500 | 04/23/2025 | 14:32 | PL095341.D | 9.12 | 3.59 |
| I.BLK | I.BLK | 04/28/2025 | 15:33 | PL095438.D | 9.13 | 3.60 |
| PEM | PEM | 04/28/2025 | 15:47 | PL095439.D | 9.12 | 3.59 |
| PSTDCCC050 | PSTDCCC050 | 04/28/2025 | 16:01 | PL095440.D | 9.12 | 3.59 |
| PB167766BS | PB167766BS | 04/28/2025 | 16:49 | PL095442.D | 9.12 | 3.59 |
| COMP-1 | Q1889-01 | 04/28/2025 | 17:08 | PL095443.D | 9.12 | 3.60 |
| COMP-1MS | Q1889-01MS | 04/28/2025 | 17:22 | PL095444.D | 9.12 | 3.59 |
| COMP-1MSD | Q1889-01MSD | 04/28/2025 | 17:36 | PL095445.D | 9.12 | 3.59 |
| COMP-2 | Q1889-02 | 04/28/2025 | 17:49 | PL095446.D | 9.12 | 3.59 |
| COMP-3 | Q1889-03 | 04/28/2025 | 18:03 | PL095447.D | 9.12 | 3.59 |
| I.BLK | I.BLK | 04/28/2025 | 18:45 | PL095450.D | 9.11 | 3.59 |
| PSTDCCC050 | PSTDCCC050 | 04/28/2025 | 18:58 | PL095451.D | 9.11 | 3.59 |
| I.BLK | I.BLK | 04/29/2025 | 12:25 | PL095473.D | 9.12 | 3.59 |
| PEM | PEM | 04/29/2025 | 12:38 | PL095474.D | 9.12 | 3.59 |
| PSTDCCC050 | PSTDCCC050 | 04/29/2025 | 13:07 | PL095475.D | 9.12 | 3.59 |
| PB167766BL | PB167766BL | 04/29/2025 | 14:42 | PL095478.D | 9.12 | 3.60 |
| I.BLK | I.BLK | 04/29/2025 | 16:52 | PL095483.D | 9.12 | 3.59 |
| PSTDCCC050 | PSTDCCC050 | 04/29/2025 | 17:42 | PL095484.D | 9.12 | 3.60 |

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# Analytical Sequence

**Client:** Kleinfelder **SDG No.:** Q1889

**Project:** Mitchell School **Instrument ID:** ECD_L

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/23/2025 04/23/2025

**THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:**

| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | DATAFILE | DCB RT # | TCX RT # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 04/23/2025 | 10:50 | PL095326.D | 8.09 | 2.91 |
| PEM | PEM | 04/23/2025 | 11:04 | PL095327.D | 8.09 | 2.91 |
| RESCHK | RESCHK | 04/23/2025 | 11:18 | PL095328.D | 8.09 | 2.91 |
| PSTDICC100 | PSTDICC100 | 04/23/2025 | 11:31 | PL095329.D | 8.09 | 2.91 |
| PSTDICC075 | PSTDICC075 | 04/23/2025 | 11:45 | PL095330.D | 8.09 | 2.91 |
| PSTDICC050 | PSTDICC050 | 04/23/2025 | 11:59 | PL095331.D | 8.09 | 2.91 |
| PSTDICC025 | PSTDICC025 | 04/23/2025 | 12:12 | PL095332.D | 8.09 | 2.91 |
| PSTDICC005 | PSTDICC005 | 04/23/2025 | 12:26 | PL095333.D | 8.09 | 2.91 |
| PCHLORICC500 | PCHLORICC500 | 04/23/2025 | 13:07 | PL095336.D | 8.09 | 2.91 |
| PTOXICC500 | PTOXICC500 | 04/23/2025 | 14:32 | PL095341.D | 8.09 | 2.91 |
| I.BLK | I.BLK | 04/28/2025 | 15:33 | PL095438.D | 8.09 | 2.90 |
| PEM | PEM | 04/28/2025 | 15:47 | PL095439.D | 8.08 | 2.90 |
| PSTDCCC050 | PSTDCCC050 | 04/28/2025 | 16:01 | PL095440.D | 8.08 | 2.90 |
| PB167766BS | PB167766BS | 04/28/2025 | 16:49 | PL095442.D | 8.08 | 2.90 |
| COMP-1 | Q1889-01 | 04/28/2025 | 17:08 | PL095443.D | 8.08 | 2.90 |
| COMP-1MS | Q1889-01MS | 04/28/2025 | 17:22 | PL095444.D | 8.08 | 2.90 |
| COMP-1MSD | Q1889-01MSD | 04/28/2025 | 17:36 | PL095445.D | 8.08 | 2.90 |
| COMP-2 | Q1889-02 | 04/28/2025 | 17:49 | PL095446.D | 8.08 | 2.90 |
| COMP-3 | Q1889-03 | 04/28/2025 | 18:03 | PL095447.D | 8.08 | 2.90 |
| I.BLK | I.BLK | 04/28/2025 | 18:45 | PL095450.D | 8.08 | 2.90 |
| PSTDCCC050 | PSTDCCC050 | 04/28/2025 | 18:58 | PL095451.D | 8.08 | 2.90 |
| I.BLK | I.BLK | 04/29/2025 | 12:25 | PL095473.D | 8.08 | 2.90 |
| PEM | PEM | 04/29/2025 | 12:38 | PL095474.D | 8.08 | 2.90 |
| PSTDCCC050 | PSTDCCC050 | 04/29/2025 | 13:07 | PL095475.D | 8.08 | 2.90 |
| PB167766BL | PB167766BL | 04/29/2025 | 14:42 | PL095478.D | 8.08 | 2.91 |
| I.BLK | I.BLK | 04/29/2025 | 16:52 | PL095483.D | 8.08 | 2.91 |
| PSTDCCC050 | PSTDCCC050 | 04/29/2025 | 17:42 | PL095484.D | 8.08 | 2.91 |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**COMP-1MS**

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**Lab Sample ID:** Q1889-01MS **Date(s) Analyzed:** 04/28/2025 04/28/2025

**Instrument ID (1):** ECD_L **Instrument ID (2):** ECD_L

**GC Column: (1):** ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| Dieldrin | 1 | 6.39 | 6.34 | 6.44 | 21.2 | 6.3 |
| | 2 | 5.53 | 5.48 | 5.58 | 19.9 | |
| Aldrin | 1 | 5.31 | 5.26 | 5.36 | 20.1 | 1 |
| | 2 | 4.39 | 4.34 | 4.44 | 20.3 | |
| 4,4'-DDE | 1 | 6.24 | 6.19 | 6.29 | 21.1 | 5.4 |
| | 2 | 5.39 | 5.34 | 5.44 | 20.0 | |
| 4,4'-DDD | 1 | 6.75 | 6.70 | 6.80 | 23.1 | 12.4 |
| | 2 | 5.94 | 5.89 | 5.99 | 20.4 | |
| 4,4'-DDT | 1 | 7.06 | 7.01 | 7.11 | 21.3 | 7.8 |
| | 2 | 6.20 | 6.15 | 6.25 | 19.7 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**COMP-1MSD**

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**Lab Sample ID:** Q1889-01MSD **Date(s) Analyzed:** 04/28/2025 04/28/2025

**Instrument ID (1):** ECD_L **Instrument ID (2):** ECD_L

**GC Column: (1):** ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 1 | 6.75 | 6.70 | 6.80 | 22.8 | 12.1 |
| | 2 | 5.94 | 5.89 | 5.99 | 20.2 | |
| 4,4'-DDT | 1 | 7.06 | 7.01 | 7.11 | 20.9 | 6.9 |
| | 2 | 6.20 | 6.15 | 6.25 | 19.5 | |
| Aldrin | 1 | 5.31 | 5.26 | 5.36 | 19.9 | 1 |
| | 2 | 4.39 | 4.34 | 4.44 | 20.1 | |
| 4,4'-DDE | 1 | 6.24 | 6.19 | 6.29 | 20.8 | 4.9 |
| | 2 | 5.39 | 5.34 | 5.44 | 19.8 | |
| Dieldrin | 1 | 6.39 | 6.34 | 6.44 | 21.0 | 6.9 |
| | 2 | 5.53 | 5.48 | 5.58 | 19.6 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**PB167766BS**

**Contract:** POWE02

**Lab Code:** CHEM **Case No.:** Q1889 **SAS No.:** Q1889 **SDG NO.:** Q1889

**Lab Sample ID:** PB167766BS **Date(s) Analyzed:** 04/28/2025 04/28/2025

**Instrument ID (1):** ECD_L **Instrument ID (2):** ECD_L

**GC Column: (1):** ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 1 | 6.75 | 6.70 | 6.80 | 19.6 | 9.6 |
| | 2 | 5.94 | 5.89 | 5.99 | 17.8 | |
| 4,4'-DDE | 1 | 6.24 | 6.19 | 6.29 | 18.1 | 5.7 |
| | 2 | 5.39 | 5.34 | 5.44 | 17.1 | |
| 4,4'-DDT | 1 | 7.06 | 7.01 | 7.11 | 18.7 | 10.1 |
| | 2 | 6.20 | 6.15 | 6.25 | 16.9 | |
| Aldrin | 1 | 5.31 | 5.26 | 5.36 | 17.4 | 1.2 |
| | 2 | 4.39 | 4.34 | 4.44 | 17.2 | |
| Dieldrin | 1 | 6.39 | 6.34 | 6.44 | 18.4 | 7.3 |
| | 2 | 5.53 | 5.48 | 5.58 | 17.1 | |