

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-18.1-012825

Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG NO.: Q1216

Lab Sample ID: Q1216-03 Date(s) Analyzed: 01/30/2025 01/30/2025

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 |      | CONCENTRATION | %RPD |
|---------|-----|------|-----------|------|---------------|------|
|         |     |      | FROM      | TO   |               |      |
| Endrin  | 1   | 6.57 | 6.52      | 6.62 | 0.36          | 51.7 |
|         | 2   | 5.64 | 5.59      | 5.69 | 0.21          |      |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**JPP-21.2-012825**

**Contract:** RUTW01

**Lab Code:** CHEM **Case No.:** Q1216

**SAS No.:** Q1216 **SDG NO.:** Q1216

**Lab Sample ID:** Q1216-11

**Date(s) Analyzed:** 01/30/2025 01/30/2025

**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 |      | CONCENTRATION | %RPD  |
|-----------------|-----|------|-----------|------|---------------|-------|
|                 |     |      | FROM      | TO   |               |       |
| Endosulfan II   | 1   | 6.79 | 6.74      | 6.84 | 0.44          | 57.7  |
|                 | 2   | 5.93 | 5.88      | 5.98 | 0.79          |       |
| 4,4'-DDT        | 1   | 7.02 | 6.97      | 7.07 | 0.84          | 129.3 |
|                 | 2   | 6.03 | 5.98      | 6.08 | 3.90          |       |
| Heptachlor      | 1   | 4.91 | 4.86      | 4.96 | 0.27          | 21.1  |
|                 | 2   | 3.94 | 3.89      | 3.99 | 0.22          |       |
| Aldrin          | 1   | 5.25 | 5.20      | 5.30 | 0.43          | 0     |
|                 | 2   | 4.22 | 4.17      | 4.27 | 0.43          |       |
| alpha-Chlordane | 1   | 6.02 | 5.97      | 6.07 | 1.80          | 78    |
|                 | 2   | 5.04 | 4.99      | 5.09 | 0.79          |       |
| 4,4'-DDE        | 1   | 6.19 | 6.14      | 6.24 | 1.70          | 19.4  |
|                 | 2   | 5.23 | 5.18      | 5.28 | 1.40          |       |
| Dieldrin        | 1   | 6.34 | 6.29      | 6.39 | 0.81          | 22.3  |
|                 | 2   | 5.36 | 5.31      | 5.41 | 0.64          |       |
| Endrin          | 1   | 6.57 | 6.52      | 6.62 | 0.41          | 64.1  |
|                 | 2   | 5.64 | 5.59      | 5.69 | 0.81          |       |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**JPP-26.2-012825**

**Contract:** RUTW01

**Lab Code:** CHEM **Case No.:** Q1216

**SAS No.:** Q1216 **SDG NO.:** Q1216

**Lab Sample ID:** Q1216-19

**Date(s) Analyzed:** 01/30/2025 01/30/2025

**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 |      | CONCENTRATION | %RPD  |
|-----------------|-----|------|-----------|------|---------------|-------|
|                 |     |      | FROM      | TO   |               |       |
| 4,4'-DDT        | 1   | 7.02 | 6.97      | 7.07 | 0.52          | 110.4 |
|                 | 2   | 6.03 | 5.98      | 6.08 | 1.80          |       |
| Heptachlor      | 1   | 4.91 | 4.86      | 4.96 | 0.60          | 42.5  |
|                 | 2   | 3.94 | 3.89      | 3.99 | 0.39          |       |
| alpha-Chlordane | 1   | 6.02 | 5.97      | 6.07 | 2.60          | 91    |
|                 | 2   | 5.04 | 4.99      | 5.09 | 0.97          |       |
| 4,4'-DDE        | 1   | 6.19 | 6.14      | 6.24 | 0.83          | 36.4  |
|                 | 2   | 5.23 | 5.18      | 5.28 | 1.20          |       |
| Dieldrin        | 1   | 6.34 | 6.29      | 6.39 | 0.26          | 32.5  |
|                 | 2   | 5.36 | 5.31      | 5.41 | 0.36          |       |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-29.1-012825MS

Contract: RUTW01

Lab Code: CHEM Case No.: Q1216

SAS No.: Q1216 SDG NO.: Q1216

Lab Sample ID: Q1215-03MS

Date(s) Analyzed: 02/01/2025 02/01/2025

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 |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endosulfan II       | 1   | 6.79 | 6.74      | 6.84 | 16.5          | 0.6  |
|                     | 2   | 5.93 | 5.88      | 5.98 | 16.6          |      |
| 4,4'-DDD            | 1   | 6.71 | 6.66      | 6.76 | 19.0          | 20.9 |
|                     | 2   | 5.78 | 5.73      | 5.83 | 15.4          |      |
| 4,4'-DDT            | 1   | 7.02 | 6.97      | 7.07 | 17.1          | 12.4 |
|                     | 2   | 6.03 | 5.98      | 6.08 | 15.1          |      |
| Endrin aldehyde     | 1   | 6.93 | 6.88      | 6.98 | 15.1          | 3.4  |
|                     | 2   | 6.11 | 6.06      | 6.16 | 14.6          |      |
| Endosulfan sulfate  | 1   | 7.16 | 7.11      | 7.21 | 15.7          | 0    |
|                     | 2   | 6.33 | 6.28      | 6.38 | 15.7          |      |
| Methoxychlor        | 1   | 7.50 | 7.45      | 7.55 | 16.3          | 13.8 |
|                     | 2   | 6.61 | 6.56      | 6.66 | 14.2          |      |
| Endrin ketone       | 1   | 7.64 | 7.59      | 7.69 | 15.7          | 17.3 |
|                     | 2   | 6.84 | 6.79      | 6.89 | 13.2          |      |
| alpha-BHC           | 1   | 3.99 | 3.94      | 4.04 | 17.8          | 5.8  |
|                     | 2   | 3.28 | 3.23      | 3.33 | 16.8          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 18.7          | 7.2  |
|                     | 2   | 3.61 | 3.56      | 3.66 | 17.4          |      |
| Heptachlor          | 1   | 4.91 | 4.86      | 4.96 | 17.8          | 1.7  |
|                     | 2   | 3.95 | 3.90      | 4.00 | 17.5          |      |
| Aldrin              | 1   | 5.26 | 5.21      | 5.31 | 16.9          | 0.6  |
|                     | 2   | 4.22 | 4.17      | 4.27 | 17.0          |      |
| beta-BHC            | 1   | 4.53 | 4.48      | 4.58 | 14.3          | 17.3 |
|                     | 2   | 3.91 | 3.86      | 3.96 | 17.0          |      |
| delta-BHC           | 1   | 4.77 | 4.72      | 4.82 | 17.6          | 0.6  |
|                     | 2   | 4.14 | 4.09      | 4.19 | 17.5          |      |
| Heptachlor epoxide  | 1   | 5.68 | 5.63      | 5.73 | 15.5          | 9.8  |
|                     | 2   | 4.73 | 4.68      | 4.78 | 17.1          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-29.1-012825MS

Contract: RUTW01

Lab Code: CHEM Case No.: Q1216

SAS No.: Q1216 SDG NO.: Q1216

Lab Sample ID: Q1215-03MS

Date(s) Analyzed: 02/01/2025 02/01/2025

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 |      | CONCENTRATION | %RPD |
|-----------------|-----|------|-----------|------|---------------|------|
|                 |     |      | FROM      | TO   |               |      |
| Endosulfan I    | 1   | 6.07 | 6.02      | 6.12 | 16.7          | 42   |
|                 | 2   | 5.10 | 5.05      | 5.15 | 10.9          |      |
| gamma-Chlordane | 1   | 5.94 | 5.89      | 5.99 | 20.1          | 11   |
|                 | 2   | 4.98 | 4.93      | 5.03 | 18.0          |      |
| alpha-Chlordane | 1   | 6.02 | 5.97      | 6.07 | 18.2          | 3.9  |
|                 | 2   | 5.04 | 4.99      | 5.09 | 17.5          |      |
| 4,4'-DDE        | 1   | 6.19 | 6.14      | 6.24 | 11.0          | 46.2 |
|                 | 2   | 5.23 | 5.18      | 5.28 | 17.6          |      |
| Dieldrin        | 1   | 6.35 | 6.30      | 6.40 | 15.8          | 5.5  |
|                 | 2   | 5.36 | 5.31      | 5.41 | 16.7          |      |
| Endrin          | 1   | 6.58 | 6.53      | 6.63 | 15.0          | 16.5 |
|                 | 2   | 5.64 | 5.59      | 5.69 | 17.7          |      |

# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-29.1-012825MSD

Contract: RUTW01

Lab Code: CHEM Case No.: Q1216

SAS No.: Q1216 SDG NO.: Q1216

Lab Sample ID: Q1215-03MSD

Date(s) Analyzed: 02/01/2025 02/01/2025

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 |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endosulfan II       | 1   | 6.79 | 6.74      | 6.84 | 16.1          | 0.6  |
|                     | 2   | 5.93 | 5.88      | 5.98 | 16.2          |      |
| 4,4'-DDD            | 1   | 6.71 | 6.66      | 6.76 | 18.7          | 22.6 |
|                     | 2   | 5.79 | 5.74      | 5.84 | 14.9          |      |
| 4,4'-DDT            | 1   | 7.02 | 6.97      | 7.07 | 16.3          | 11.7 |
|                     | 2   | 6.03 | 5.98      | 6.08 | 14.5          |      |
| Endrin aldehyde     | 1   | 6.93 | 6.88      | 6.98 | 14.7          | 0.7  |
|                     | 2   | 6.11 | 6.06      | 6.16 | 14.6          |      |
| Endosulfan sulfate  | 1   | 7.16 | 7.11      | 7.21 | 14.9          | 3.3  |
|                     | 2   | 6.34 | 6.29      | 6.39 | 15.4          |      |
| Endrin ketone       | 1   | 7.64 | 7.59      | 7.69 | 15.0          | 15.1 |
|                     | 2   | 6.84 | 6.79      | 6.89 | 12.9          |      |
| alpha-BHC           | 1   | 3.99 | 3.94      | 4.04 | 17.6          | 6.5  |
|                     | 2   | 3.28 | 3.23      | 3.33 | 16.5          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 18.5          | 7.9  |
|                     | 2   | 3.61 | 3.56      | 3.66 | 17.1          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 17.5          | 2.9  |
|                     | 2   | 3.95 | 3.90      | 4.00 | 17.0          |      |
| Aldrin              | 1   | 5.26 | 5.21      | 5.31 | 16.6          | 0.6  |
|                     | 2   | 4.22 | 4.17      | 4.27 | 16.7          |      |
| beta-BHC            | 1   | 4.53 | 4.48      | 4.58 | 14.1          | 27.5 |
|                     | 2   | 3.91 | 3.86      | 3.96 | 18.6          |      |
| delta-BHC           | 1   | 4.77 | 4.72      | 4.82 | 17.5          | 2.3  |
|                     | 2   | 4.14 | 4.09      | 4.19 | 17.1          |      |
| Heptachlor epoxide  | 1   | 5.68 | 5.63      | 5.73 | 15.3          | 9.3  |
|                     | 2   | 4.73 | 4.68      | 4.78 | 16.8          |      |
| Endosulfan I        | 1   | 6.07 | 6.02      | 6.12 | 15.9          | 52.4 |
|                     | 2   | 5.10 | 5.05      | 5.15 | 9.30          |      |

**COMPOUND DETECTION SUMMARY**

**CLIENT SAMPLE NO.**

**JPP-29.1-012825MSD**

**Contract:** RUTW01

**Lab Code:** CHEM **Case No.:** Q1216

**SAS No.:** Q1216 **SDG NO.:** Q1216

**Lab Sample ID:** Q1215-03MSD

**Date(s) Analyzed:** 02/01/2025 02/01/2025

**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 |      | CONCENTRATION | %RPD |
|-----------------|-----|------|-----------|------|---------------|------|
|                 |     |      | FROM      | TO   |               |      |
| gamma-Chlordane | 1   | 5.94 | 5.89      | 5.99 | 19.6          | 9.1  |
|                 | 2   | 4.98 | 4.93      | 5.03 | 17.9          |      |
| alpha-Chlordane | 1   | 6.02 | 5.97      | 6.07 | 17.6          | 2.3  |
|                 | 2   | 5.04 | 4.99      | 5.09 | 17.2          |      |
| 4,4'-DDE        | 1   | 6.19 | 6.14      | 6.24 | 10.8          | 41.2 |
|                 | 2   | 5.23 | 5.18      | 5.28 | 16.4          |      |
| Dieldrin        | 1   | 6.35 | 6.30      | 6.40 | 15.4          | 5.7  |
|                 | 2   | 5.36 | 5.31      | 5.41 | 16.3          |      |
| Endrin          | 1   | 6.57 | 6.52      | 6.62 | 15.3          | 13.4 |
|                 | 2   | 5.64 | 5.59      | 5.69 | 17.5          |      |
| Methoxychlor    | 1   | 7.50 | 7.45      | 7.55 | 15.8          | 21   |
|                 | 2   | 6.61 | 6.56      | 6.66 | 12.8          |      |

# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166359BS

Contract: RUTW01

Lab Code: CHEM Case No.: Q1216

SAS No.: Q1216 SDG NO.: Q1216

Lab Sample ID: PB166359BS

Date(s) Analyzed: 01/30/2025 01/30/2025

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 |      | CONCENTRATION | %RPD |
|---------------------|-----|------|-----------|------|---------------|------|
|                     |     |      | FROM      | TO   |               |      |
| Endosulfan I        | 1   | 6.07 | 6.02      | 6.12 | 16.3          | 7.7  |
|                     | 2   | 5.10 | 5.05      | 5.15 | 17.6          |      |
| alpha-Chlordane     | 1   | 6.02 | 5.97      | 6.07 | 16.5          | 6.5  |
|                     | 2   | 5.04 | 4.99      | 5.09 | 17.6          |      |
| 4,4'-DDE            | 1   | 6.19 | 6.14      | 6.24 | 17.6          | 3.4  |
|                     | 2   | 5.23 | 5.18      | 5.28 | 18.2          |      |
| Dieldrin            | 1   | 6.34 | 6.29      | 6.39 | 16.5          | 4.7  |
|                     | 2   | 5.36 | 5.31      | 5.41 | 17.3          |      |
| Endrin              | 1   | 6.57 | 6.52      | 6.62 | 14.9          | 7.7  |
|                     | 2   | 5.64 | 5.59      | 5.69 | 16.1          |      |
| Methoxychlor        | 1   | 7.50 | 7.45      | 7.55 | 16.3          | 3.1  |
|                     | 2   | 6.61 | 6.56      | 6.66 | 15.8          |      |
| Endrin ketone       | 1   | 7.64 | 7.59      | 7.69 | 17.1          | 4    |
|                     | 2   | 6.84 | 6.79      | 6.89 | 17.8          |      |
| gamma-BHC (Lindane) | 1   | 4.33 | 4.28      | 4.38 | 16.0          | 1.9  |
|                     | 2   | 3.61 | 3.56      | 3.66 | 16.3          |      |
| Heptachlor          | 1   | 4.92 | 4.87      | 4.97 | 16.5          | 0.6  |
|                     | 2   | 3.95 | 3.90      | 4.00 | 16.6          |      |
| Heptachlor epoxide  | 1   | 5.68 | 5.63      | 5.73 | 15.9          | 7.3  |
|                     | 2   | 4.73 | 4.68      | 4.78 | 17.1          |      |
| gamma-Chlordane     | 1   | 5.94 | 5.89      | 5.99 | 16.5          | 7.6  |
|                     | 2   | 4.98 | 4.93      | 5.03 | 17.8          |      |
| Endosulfan II       | 1   | 6.79 | 6.74      | 6.84 | 16.6          | 5.8  |
|                     | 2   | 5.93 | 5.88      | 5.98 | 17.6          |      |
| 4,4'-DDD            | 1   | 6.71 | 6.66      | 6.76 | 18.9          | 3.6  |
|                     | 2   | 5.78 | 5.73      | 5.83 | 19.6          |      |
| 4,4'-DDT            | 1   | 7.02 | 6.97      | 7.07 | 16.6          | 1.2  |
|                     | 2   | 6.03 | 5.98      | 6.08 | 16.4          |      |

**COMPOUND DETECTION SUMMARY**

CLIENT SAMPLE NO.

PB166359BS

Contract: RUTW01

Lab Code: CHEM

Case No.: Q1216

SAS No.: Q1216

SDG NO.: Q1216

Lab Sample ID: PB166359BS

Date(s) Analyzed: 01/30/2025

01/30/2025

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 |      | CONCENTRATION | %RPD |
|--------------------|-----|------|-----------|------|---------------|------|
|                    |     |      | FROM      | TO   |               |      |
| Endrin aldehyde    | 1   | 6.92 | 6.87      | 6.97 | 16.6          | 1.8  |
|                    | 2   | 6.11 | 6.06      | 6.16 | 16.9          |      |
| Endosulfan sulfate | 1   | 7.16 | 7.11      | 7.21 | 16.6          | 5.3  |
|                    | 2   | 6.33 | 6.28      | 6.38 | 17.5          |      |
| alpha-BHC          | 1   | 3.99 | 3.94      | 4.04 | 16.2          | 2.4  |
|                    | 2   | 3.28 | 3.23      | 3.33 | 16.6          |      |
| Aldrin             | 1   | 5.26 | 5.21      | 5.31 | 16.1          | 2.5  |
|                    | 2   | 4.23 | 4.18      | 4.28 | 16.5          |      |
| beta-BHC           | 1   | 4.53 | 4.48      | 4.58 | 16.6          | 1.8  |
|                    | 2   | 3.91 | 3.86      | 3.96 | 16.9          |      |
| delta-BHC          | 1   | 4.77 | 4.72      | 4.82 | 16.4          | 0    |
|                    | 2   | 4.14 | 4.09      | 4.19 | 16.4          |      |