

CASE NARRATIVE

ATC Group Services LLC

Project Name: K084-SCA PCBs NYC - 2022SCA421

Project # N/A

Chemtech Project # Q1433

Test Name: PCB Group1

A. Number of Samples and Date of Receipt:

10 Solid samples were received on 02/26/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: PCB Group1. This data package contains results for PCB Group1.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCB Group1s was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for K084-1A

[Decachlorobiphenyl(1) - 746%, Decachlorobiphenyl(2) - 793%], K084-1ADL

[Decachlorobiphenyl(1) - 822%, Decachlorobiphenyl(2) - 981%], K084-2A

[Decachlorobiphenyl(1) - 310%, Decachlorobiphenyl(2) - 339%], K084-2ADL

[Decachlorobiphenyl(1) - 357%, Decachlorobiphenyl(2) - 396%], K084-2ADL2

[Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-m-xylene(1) -

0%, Tetrachloro-m-xylene(2) - 0%], K084-2B [Decachlorobiphenyl(1) - 909%,

Decachlorobiphenyl(2) - 959%], K084-2BDL [Decachlorobiphenyl(1) - 993%,

Decachlorobiphenyl(2) - 1074%], K084-2BDL2 [Decachlorobiphenyl(1) - 1152%,

Decachlorobiphenyl(2) - 1284%], K084-3A [Decachlorobiphenyl(1) - 1809%,

Decachlorobiphenyl(2) - 1855%], K084-3ADL [Decachlorobiphenyl(1) - 2105%,

Decachlorobiphenyl(2) - 2223%, Tetrachloro-m-xylene(1) - 148%, Tetrachloro-m-

xylene(2) - 157%], K084-3ADL2 [Decachlorobiphenyl(1) - 2369%,

Decachlorobiphenyl(2) - 2621%, Tetrachloro-m-xylene(1) - 166%, Tetrachloro-m-

xylene(2) - 166%], K084-3B [Decachlorobiphenyl(1) - 177%, Decachlorobiphenyl(2) -

198%], K084-3BDL [Decachlorobiphenyl(1) - 261%, Decachlorobiphenyl(2) - 274%],

K084-4A [Decachlorobiphenyl(1) - 231%, Decachlorobiphenyl(2) - 265%], K084-4ADL

[Decachlorobiphenyl(1) - 291%, Decachlorobiphenyl(2) - 335%], K084-4ADL2

[Decachlorobiphenyl(1) - 0%, Decachlorobiphenyl(2) - 0%, Tetrachloro-m-xylene(1) -

0%, Tetrachloro-m-xylene(2) - 0%], K084-5AMS [Decachlorobiphenyl(1) - 176%,



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Decachlorobiphenyl(2) - 205%], K084-5AMSD [Decachlorobiphenyl(1) - 180% and Decachlorobiphenyl(2) - 209%]. Due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported.

The Retention Times were acceptable for all samples.

The MS {Q1434-03MS} with File ID: PO109562.D recoveries met the requirements for all compounds except for AR1016[182%], AR1260[554%] due to matrix interference.

The MS {Q1434-02MS} with File ID: PO109688.D recoveries met the requirements for all compounds except for AR1260[309%] due to matrix interference.

The MSD {Q1434-03MSD} with File ID: PO109563.D recoveries met the acceptable requirements except for AR1016[182%], AR1260[554%] due to matrix interference.

The MSD {Q1434-02MSD} with File ID: PO109689.D recoveries met the acceptable requirements except for AR1260[348%] due to matrix interference.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements . The Continuous Calibration met the requirements .

Samples K084-1A, K084-2A, K084-2ADL, K084-2B, K084-2BDL, K084-2C, K084-3A, K084-3ADL, K084-3B, K084-3C, K084-4A and K084-4ADL were diluted due to high concentrations.

E. Additional Comments:

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____