

D:\HPCHEM\1\DATA\A092217\A0922010.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/22/17
 Data File Name A0922010.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

| Compound | Ret Time | Target Response | Average Response | %D +/- 20 |
|-------------|----------|-----------------|------------------|-----------|
| c - 9 | 1.29 | 456974 | 510786 | -11 |
| c - 10 | 1.64 | 466738 | 510786 | -9 |
| c - 12 | 2.37 | 484085 | 510786 | -5 |
| c - 14 | 3.04 | 497302 | 510786 | -3 |
| c - 16 | 3.65 | 511067 | 510786 | 0 |
| c - 18 | 4.28 | 508886 | 510786 | 0 |
| o-Terphenyl | 4.56 | 565226 | 510786 | |
| c - 20 | 4.89 | 519958 | 510786 | 2 |
| c - 22 | 5.39 | 533618 | 510786 | 4 |
| c - 24 | 5.83 | 503071 | 510786 | -2 |
| c - 26 | 6.22 | 535236 | 510786 | 5 |
| c - 28 | 6.59 | 533954 | 510786 | 5 |
| c - 30 | 6.92 | 535047 | 510786 | 5 |
| c - 32 | 7.23 | 522753 | 510786 | 2 |
| c - 34 | 7.53 | 527123 | 510786 | 3 |
| c - 36 | 7.87 | 525978 | 510786 | 3 |

* One compound allowed %D <= 50%

Samples

17I0542-13@20X
 17I0542-17@20X
 17I0542-18@100X

D:\HPCHEM\1\DATA\A092517\A0925006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/25/17
 Data File Name A0925006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

| Compound | Ret Time | Target Response | Average Response | *%D +/- 20 |
|-------------|----------|-----------------|------------------|------------|
| c - 9 | 1.29 | 458707 | 504043 | -9 |
| c - 10 | 1.64 | 467983 | 504043 | -7 |
| c - 12 | 2.37 | 485882 | 504043 | -4 |
| c - 14 | 3.04 | 498008 | 504043 | -1 |
| c - 16 | 3.65 | 511626 | 504043 | 2 |
| c - 18 | 4.28 | 509046 | 504043 | 1 |
| o-Terphenyl | 4.56 | 566876 | 504043 | |
| c - 20 | 4.89 | 518484 | 504043 | 3 |
| c - 22 | 5.39 | 530526 | 504043 | 5 |
| c - 24 | 5.83 | 498660 | 504043 | -1 |
| c - 26 | 6.22 | 529131 | 504043 | 5 |
| c - 28 | 6.58 | 524835 | 504043 | 4 |
| c - 30 | 6.92 | 520598 | 504043 | 3 |
| c - 32 | 7.23 | 505300 | 504043 | 0 |
| c - 34 | 7.52 | 502911 | 504043 | 0 |
| c - 36 | 7.86 | 498949 | 504043 | -1 |

* One compound allowed %D <= 50%

Samples

1710861-05
 1710912-01
 1710861-06@10X
 1710542-12RE1@5X
 1710542-18RE@5X

D:\HPCHEM\1\DATA\A092417.SEC\A0924063.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/25/17
 Data File Name A0924063.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

| Compound | Ret Time | Target Response | Average Response | ">%D +/- 20 |
|-------------|----------|-----------------|------------------|-------------|
| c - 9 | 1.28 | 607595 | 632732 | -4 |
| c - 10 | 1.62 | 617625 | 632732 | -2 |
| c - 12 | 2.35 | 634559 | 632732 | 0 |
| c - 14 | 3.01 | 643805 | 632732 | 2 |
| c - 16 | 3.61 | 653185 | 632732 | 3 |
| c - 18 | 4.22 | 640245 | 632732 | 1 |
| o-Terphenyl | 4.51 | 708020 | 632732 | |
| c - 20 | 4.83 | 643337 | 632732 | 2 |
| c - 22 | 5.33 | 649991 | 632732 | 3 |
| c - 24 | 5.77 | 605843 | 632732 | -4 |
| c - 26 | 6.16 | 640178 | 632732 | 1 |
| c - 28 | 6.52 | 636765 | 632732 | 1 |
| c - 30 | 6.85 | 635937 | 632732 | 1 |
| c - 32 | 7.16 | 624468 | 632732 | -1 |
| c - 34 | 7.45 | 628234 | 632732 | -1 |
| c - 36 | 7.76 | 629210 | 632732 | -1 |

* One compound allowed %D <= 50%

Samples

17I0798-04
 17I0831-07
 17I0837-08
 17I0837-14
 17I0837-15
 17I0798-03
 17I0542-11RE1
 17I0542-17RE1

D:\HPCHEM\1\DATA\A092517.SEC\A0925007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/25/17
 Data File Name A0925007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

| Compound | Ret Time | Target Response | Average Response | ">%D +/- 20 |
|-------------|----------|-----------------|------------------|-------------|
| c - 9 | 1.28 | 550181 | 571416 | -4 |
| c - 10 | 1.62 | 558960 | 571416 | -2 |
| c - 12 | 2.34 | 575407 | 571416 | 1 |
| c - 14 | 3.01 | 583321 | 571416 | 2 |
| c - 16 | 3.61 | 591185 | 571416 | 3 |
| c - 18 | 4.22 | 578576 | 571416 | 1 |
| o-Terphenyl | 4.51 | 640865 | 571416 | |
| c - 20 | 4.83 | 581340 | 571416 | 2 |
| c - 22 | 5.33 | 586997 | 571416 | 3 |
| c - 24 | 5.77 | 546887 | 571416 | -4 |
| c - 26 | 6.16 | 577444 | 571416 | 1 |
| c - 28 | 6.52 | 573951 | 571416 | 0 |
| c - 30 | 6.85 | 572464 | 571416 | 0 |
| c - 32 | 7.16 | 561876 | 571416 | -2 |
| c - 34 | 7.45 | 565482 | 571416 | -1 |
| c - 36 | 7.76 | 567162 | 571416 | -1 |

* One compound allowed %D <= 50%

Samples

17I0850-01@5X
 17I0797-02@5X
 17I0797-03@10X
 17I0797-04@5X
 17I0797-05@5X
 17I0902-02@20X
 17I0902-01@20X
 17I0912-03
 17I0912-04

D:\HPCHEM\1\DATA\A092217.SEC\A0922121.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/23/17
Data File Name A0922121.D
Sample Name ETPH 1500
Instrument Name 5890DFID

| Compound | Ret Time | Target Response | Average Response | ">%D +/- 20 |
|-------------|----------|-----------------|------------------|-------------|
| c - 9 | 1.28 | 659065 | 692705 | -5 |
| c - 10 | 1.63 | 676853 | 692705 | -2 |
| c - 12 | 2.34 | 696615 | 692705 | 1 |
| c - 14 | 3.01 | 705509 | 692705 | 2 |
| c - 16 | 3.61 | 715434 | 692705 | 3 |
| c - 18 | 4.23 | 701293 | 692705 | 1 |
| o-Terphenyl | 4.51 | 777996 | 692705 | |
| c - 20 | 4.83 | 704827 | 692705 | 2 |
| c - 22 | 5.33 | 711702 | 692705 | 3 |
| c - 24 | 5.77 | 662635 | 692705 | -4 |
| c - 26 | 6.16 | 699493 | 692705 | 1 |
| c - 28 | 6.52 | 695175 | 692705 | 0 |
| c - 30 | 6.85 | 696813 | 692705 | 1 |
| c - 32 | 7.16 | 685743 | 692705 | -1 |
| c - 34 | 7.45 | 689613 | 692705 | 0 |
| c - 36 | 7.76 | 689800 | 692705 | 0 |

* One compound allowed %D <= 50%

Samples
1710750-03

D:\HPCHEM\1\DATA\A092217.SEC\A0922071.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/22/17
 Data File Name A0922071.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

| Compound | Ret Time | Target Response | Average Response | *%D +/- 20 |
|-------------|----------|-----------------|------------------|------------|
| c - 9 | 1.28 | 621747 | 655343 | -5 |
| c - 10 | 1.63 | 635600 | 655343 | -3 |
| c - 12 | 2.35 | 655659 | 655343 | 0 |
| c - 14 | 3.01 | 667262 | 655343 | 2 |
| c - 16 | 3.61 | 678344 | 655343 | 4 |
| c - 18 | 4.23 | 665428 | 655343 | 2 |
| o-Terphenyl | 4.51 | 738787 | 655343 | |
| c - 20 | 4.83 | 668731 | 655343 | 2 |
| c - 22 | 5.33 | 675429 | 655343 | 3 |
| c - 24 | 5.77 | 628178 | 655343 | -4 |
| c - 26 | 6.16 | 663205 | 655343 | 1 |
| c - 28 | 6.52 | 658674 | 655343 | 1 |
| c - 30 | 6.85 | 659398 | 655343 | 1 |
| c - 32 | 7.16 | 648467 | 655343 | -1 |
| c - 34 | 7.45 | 652001 | 655343 | -1 |
| c - 36 | 7.76 | 652018 | 655343 | -1 |

* One compound allowed %D <= 50%

Samples

17I0728-01
 17I0728-02
 17I0750-01
 17I0750-02

D:\HPCHEM\1\DATA\A092417\A0924006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/24/17
 Data File Name A0924006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

| Compound | Ret Time | Target Response | Average Response | *%D +/- 20 |
|-------------|----------|-----------------|------------------|------------|
| c - 9 | 1.29 | 441425 | 487428 | -9 |
| c - 10 | 1.64 | 450458 | 487428 | -8 |
| c - 12 | 2.37 | 469082 | 487428 | -4 |
| c - 14 | 3.04 | 480667 | 487428 | -1 |
| c - 16 | 3.65 | 493307 | 487428 | 1 |
| c - 18 | 4.28 | 491332 | 487428 | 1 |
| o-Terphenyl | 4.56 | 548239 | 487428 | |
| c - 20 | 4.89 | 502052 | 487428 | 3 |
| c - 22 | 5.39 | 515524 | 487428 | 6 |
| c - 24 | 5.83 | 486080 | 487428 | 0 |
| c - 26 | 6.22 | 515868 | 487428 | 6 |
| c - 28 | 6.58 | 510711 | 487428 | 5 |
| c - 30 | 6.92 | 503681 | 487428 | 3 |
| c - 32 | 7.23 | 486439 | 487428 | 0 |
| c - 34 | 7.52 | 483775 | 487428 | -1 |
| c - 36 | 7.87 | 481023 | 487428 | -1 |

* One compound allowed %D <= 50%

Samples

17I0544-01
 17I0662-03
 17I0662-04
 17I0603-27
 17I0861-05
 17I0661-01
 17I0861-06

D:\HPCHEM\1\DATA\A092417\A0924062.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 9/25/17
 Data File Name A0924062.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

| Compound | Ret Time | Target Response | Average Response | *%D +/- 20 |
|-------------|----------|-----------------|------------------|------------|
| c - 9 | 1.29 | 495106 | 544608 | -9 |
| c - 10 | 1.64 | 507885 | 544608 | -7 |
| c - 12 | 2.37 | 529231 | 544608 | -3 |
| c - 14 | 3.04 | 543691 | 544608 | 0 |
| c - 16 | 3.65 | 557962 | 544608 | 2 |
| c - 18 | 4.28 | 554393 | 544608 | 2 |
| o-Terphenyl | 4.56 | 614813 | 544608 | |
| c - 20 | 4.89 | 564052 | 544608 | 4 |
| c - 22 | 5.39 | 575713 | 544608 | 6 |
| c - 24 | 5.83 | 539826 | 544608 | -1 |
| c - 26 | 6.22 | 570669 | 544608 | 5 |
| c - 28 | 6.58 | 564232 | 544608 | 4 |
| c - 30 | 6.92 | 557275 | 544608 | 2 |
| c - 32 | 7.23 | 539902 | 544608 | -1 |
| c - 34 | 7.52 | 536492 | 544608 | -1 |
| c - 36 | 7.86 | 532684 | 544608 | -2 |

* One compound allowed %D <= 50%

Samples

17I0719-09RE1
 17I0719-15
 17I0850-02
 17I0719-08RE1
 17I0908-19@25X
 17I0908-20@5X



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17I0542

Laboratory Sample ID(s):

17I0542-01 thru 17I0542-18

Sample Date(s):

09/13/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 8082A, SW-846 8270D

| | | |
|-----------|--|---|
| 1 | For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 1A | Were the method specified preservation and holding time requirements met? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 1B | VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A |
| 2 | Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 3 | Were samples received at an appropriate temperature (< 6 degrees C.)? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| 4 | Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 5A | Were reporting limits specified or referenced on the chain-of-custody? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 5B | Were these reporting limits met? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 6 | For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 7 | Are project-specific matrix spikes and laboratory duplicates included in this data set? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:
Position: Laboratory Director
Printed Name: Tod E. Kopyscinski
Date: 09/28/17
Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.