

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

1710542-13@20X
1710542-17@20X
1710542-18@100X

D:\HPCHEM1\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:\HPCHEM1\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
 1710728-01
 1710728-02
 1710750-01
 1710750-02

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

1710719-09RE1
 1710719-15
 1710850-02
 1710719-08RE1
 1710908-19@25X
 1710908-20@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: 1710542

Laboratory Sample ID(s):

Sample Date(s):

1710542-01 thru 1710542-18

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:

Tod Kopyscinski

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.