Biomonitoring Quality Assurance Support Program

Analytical Method Report

POLYCYCLIC AROMATIC HYDROCARBONS

Laboratory Information

1 State Report:

2 Results for Method:

Sample Preparation Information:

3 Does your method use automation:

4 Does your sample preparation method include:

5 Solid phase extraction platform:

Additional information on sample prep procedure:

6 What is the method sample volume size:

7 Name of enzyme:

Enzyme Vendor

Enzyme Concentration

Amount

How long do you incubate the samples

Temperature during incubations

HPLC Configuration:

8 Instrument manufacturer

9 What is the flow rate:

10 What is the method run time:

11 What is the sample injection volume:

12 Column name and Manufacturer

13 Column dimensions

14 Elution Type:

15 Mobile Phase A Composition

16 Mobile Phase B Composition

Mass Spectrometer Configuration

17 Have you optimized the MS Parameters for your method? (Analytes, Precursor and Product Ions, Collision Energy)

18 What is the ionization mode:

20 Please complete the table for each analytes LOD, precursor and product ion transitions:

Analytical and Internal Standards

Please complete the table for metabolite standards:

25 How do you prepare your standards?

27 How many points are in the calibration curve?

28 Is the calibration curve weighted?

29 What integration software do you use?

Additional Method Questions

30 Which proficiency testing programs do you participate in?

31 what is the average number of samples analyzed per month for this method?

32 Have you checked the accuracy of the method using NIST SRMs?

33 What volume of sample is required for BQASP Analysis?

Please provide a screenshot of your results chromatography:

CDC estimates the average public reporting burden for this collection of information as 45 mir
time for reviewing instructions, searching existing data/information sources, gathering and ma
needed, and completing and reviewing the collection of information. An agency may not conc
required to respond to a collection of information unless it displays a currently valid OMB Con
regarding this burden estimate or any other aspect of this collection of information, including
burden to CDC/ATSDR Information Collection Review Office, 1600 Clifton Road NE, MS D-74, A
(0920-xxxx).

Form Approved
OMB No. 0920-xxxx
Exp. Date xx/xx/20xx

Select State

Select Method

Yes or No
Select SPE
N/A
Type description here

(please include units)

Degrees Celsius

Select — Type Other Here

Select

Describe composition for Mobile Phase A
Describe composition for Mobile Phase B

Yes or No
Select Mode

Analyte	LOD
Example: MCPP	0.4 ng/ml
13C4-MCPP	

Analytical and Internal Standard	Vendor
Phthalate Metabolites	Cambridge Isotope Laboratory

Select

weighted curve: No weighting, 1/X, 1/X^2,Other

Select

Please type other programs here

Right click in the textbox
Click format shape
Click Fill Options
Select picture from your saved file

nutes per response, including the
aintaining the data/information
duct or sponsor, and a person is not
ıtrol Number. Send comments
suggestions for reducing this
tlanta, Georgia 30333; ATTN: PRA

Calibration Range	Precursor Ion (mass)	Product Ion (mass)
0.035 - 350 ng/ml	251	103
	225	103

Purity

?

POLYCYCLIC AROMATIC HYDROCARBONS

PT Event ID: 201902PAHU
Participant:
Analyst:
Reviewer:
Units of Result:

Sample ID	Analyte	Reported Value
201902001PAHU	1-hydroxynaphthalene	
201902001PAHU	2-hydroxynaphthalene	
201902001PAHU	2-hydroxyfluorene	
201902001PAHU	3-hydroxyfluorene	
201902001PAHU	1-hydroxyphenanthrene	
201902001PAHU	2-hydroxyphenanthrene and 3-hydroxyphenanthrene	
201902001PAHU	1-hydroxypyrene	

Sample ID	Analyte	Reported Value
201902002PAHU	1-hydroxynaphthalene	
201902002PAHU	2-hydroxynaphthalene	
201902002PAHU	2-hydroxyfluorene	
201902002PAHU	3-hydroxyfluorene	
201902002PAHU	1-hydroxyphenanthrene	
201902002PAHU	2-hydroxyphenanthrene and 3-hydroxyphenanthrene	
201902002PAHU	1-hydroxypyrene	

By submitting this form, we attest that the results reported were produced in this laboratory from the analysis of proficiency testing samples that were introduced into the routine workflow of the laboratory and analyzed using protocols and procedures with the same frequency routinely applied to patient specimens.

We further attest that the laboratory did not discuss or engage in any communications with anyone outside of ourlboratory regarding the proficiency test or the restuls obtained.